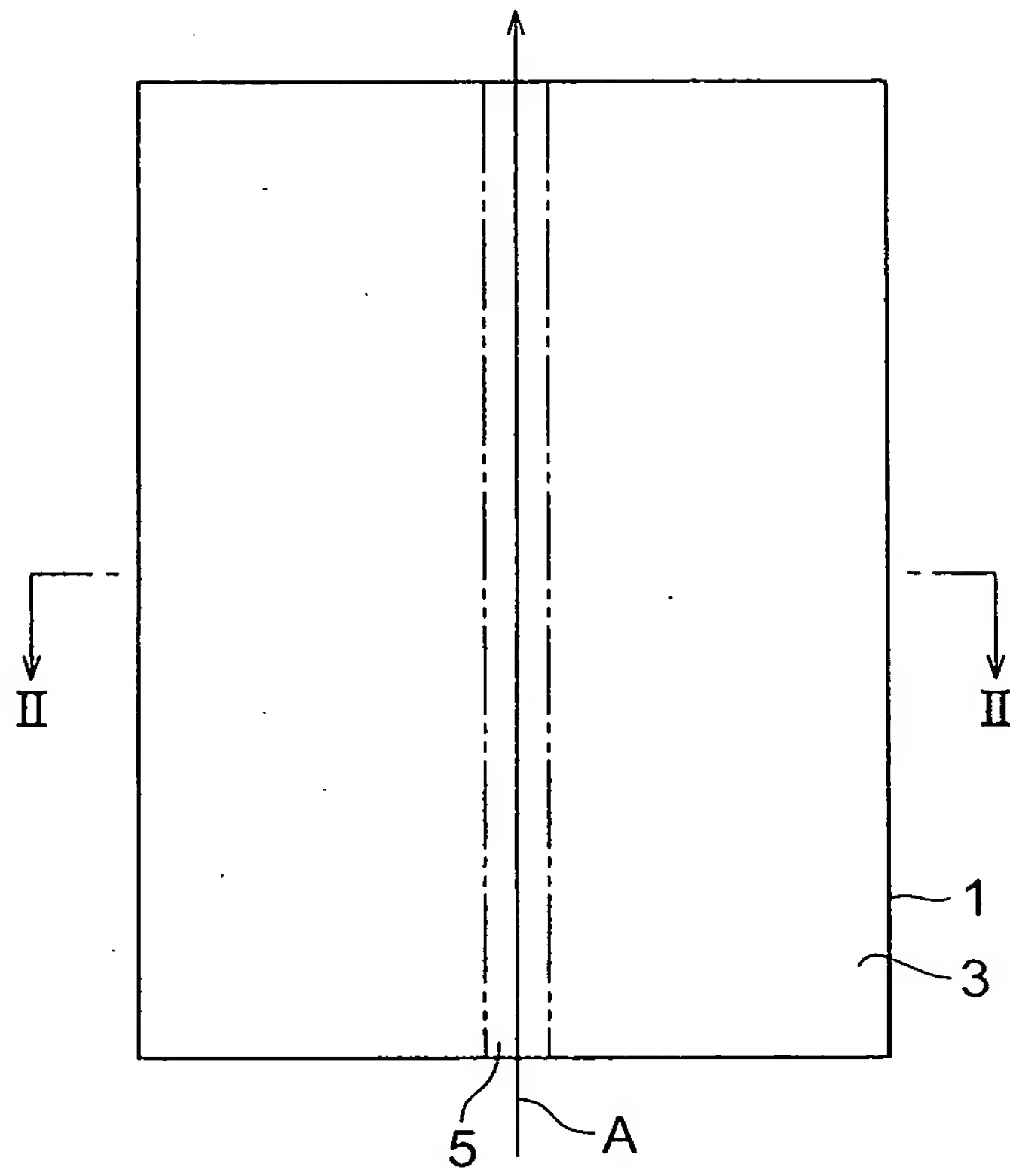


Fig.1



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Fig.2

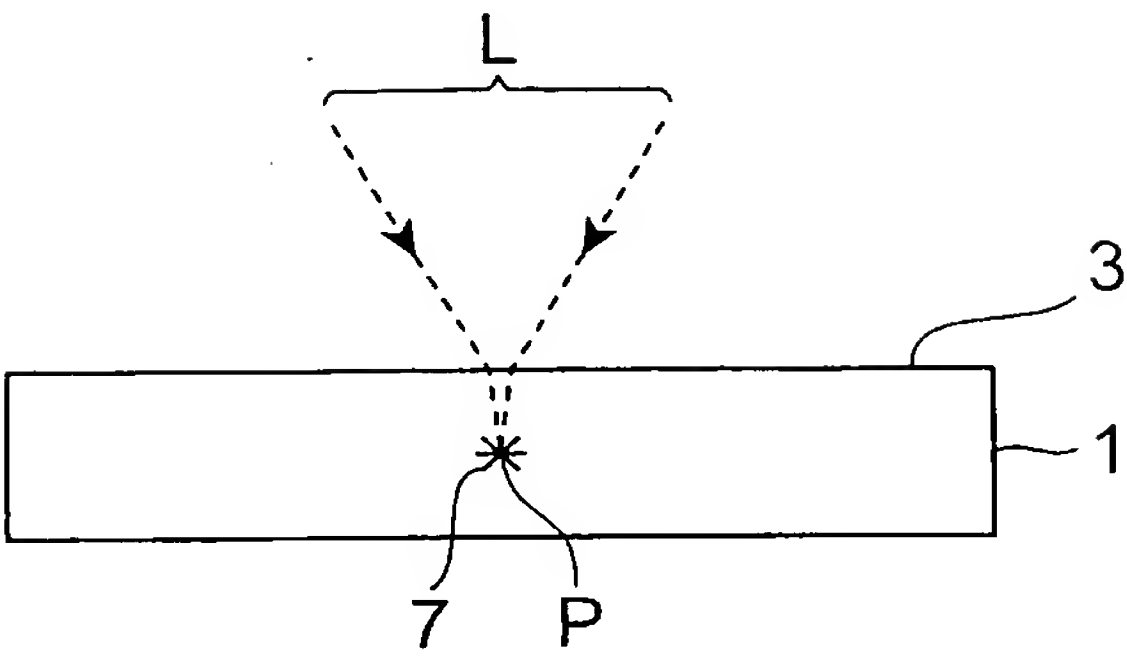


Fig.3

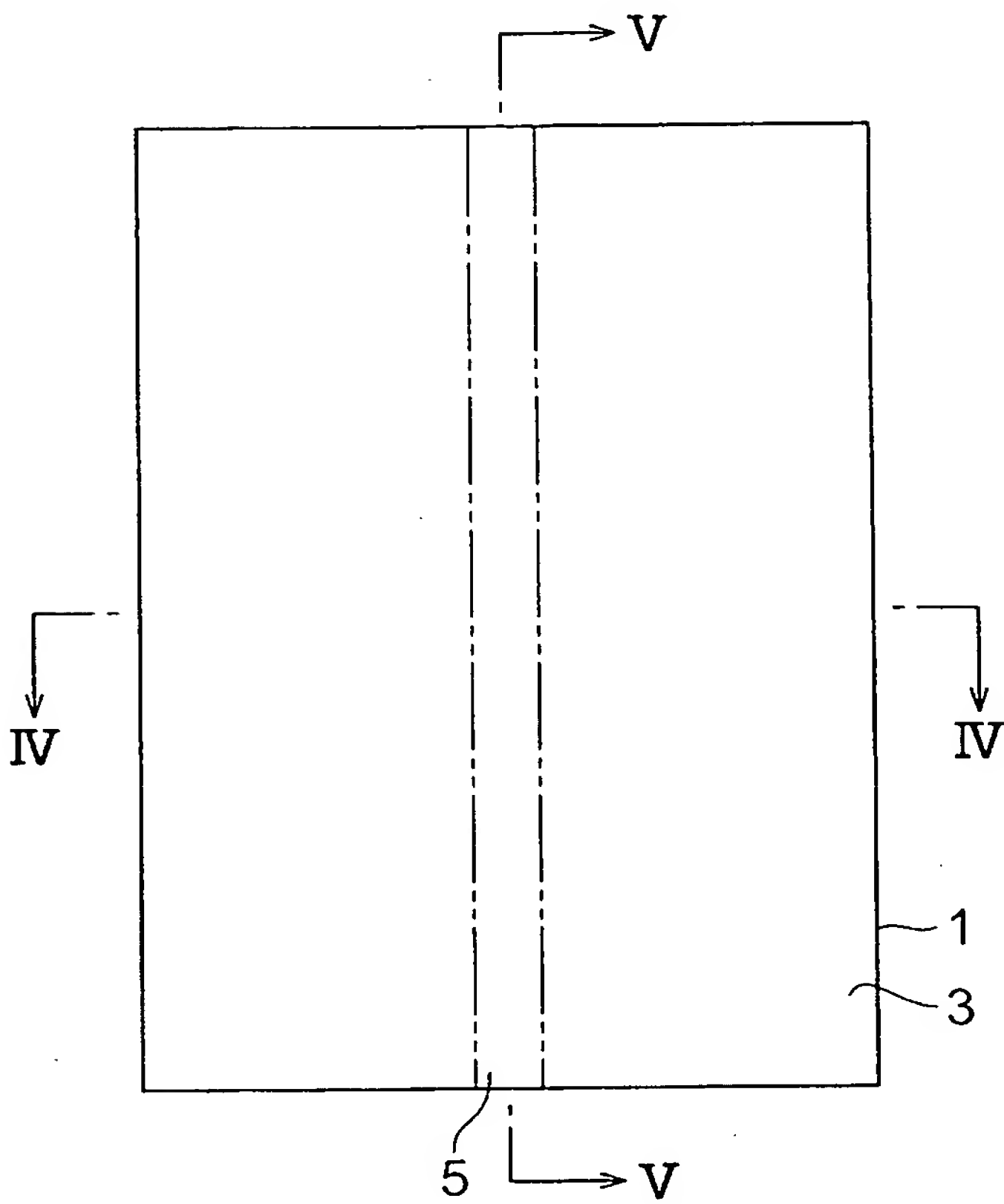


Fig.4

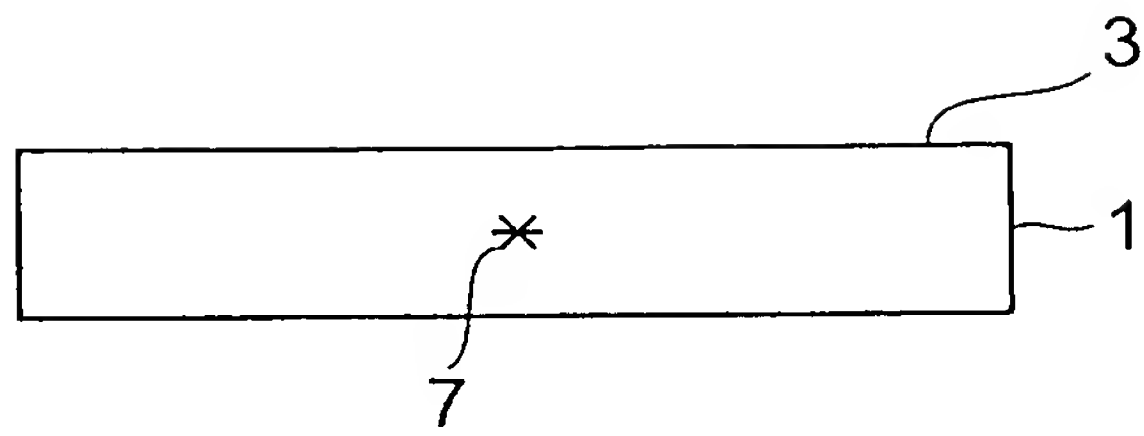


Fig.5

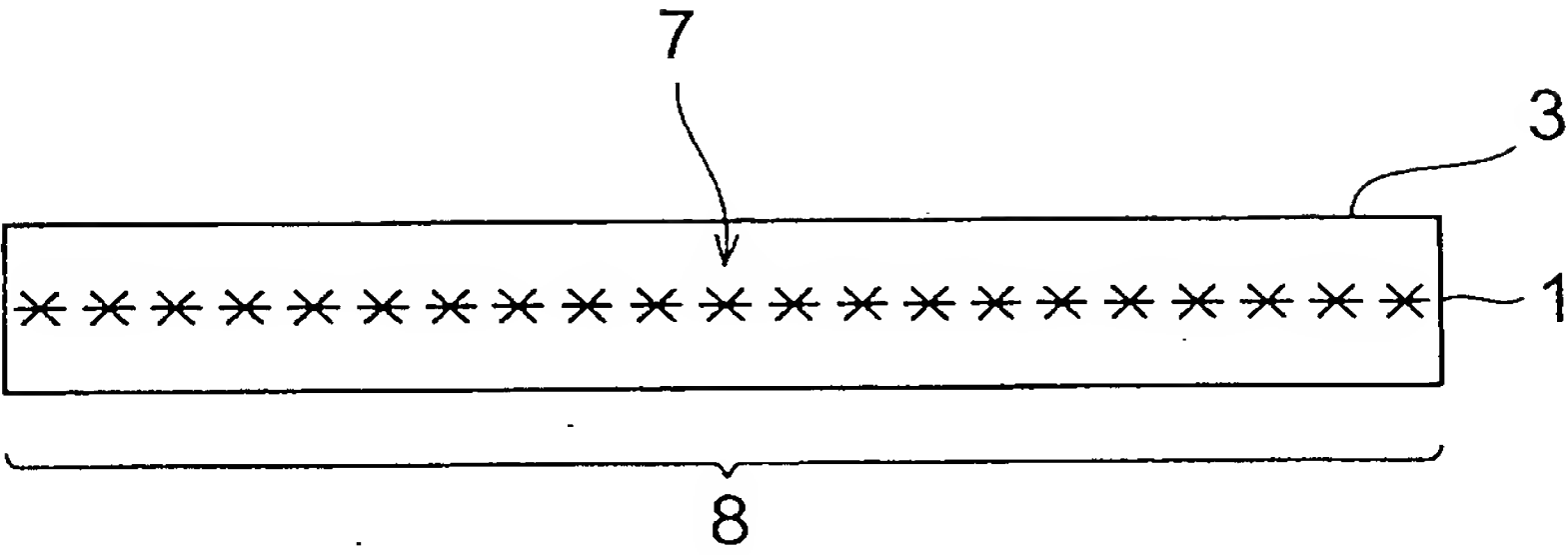


Fig.6

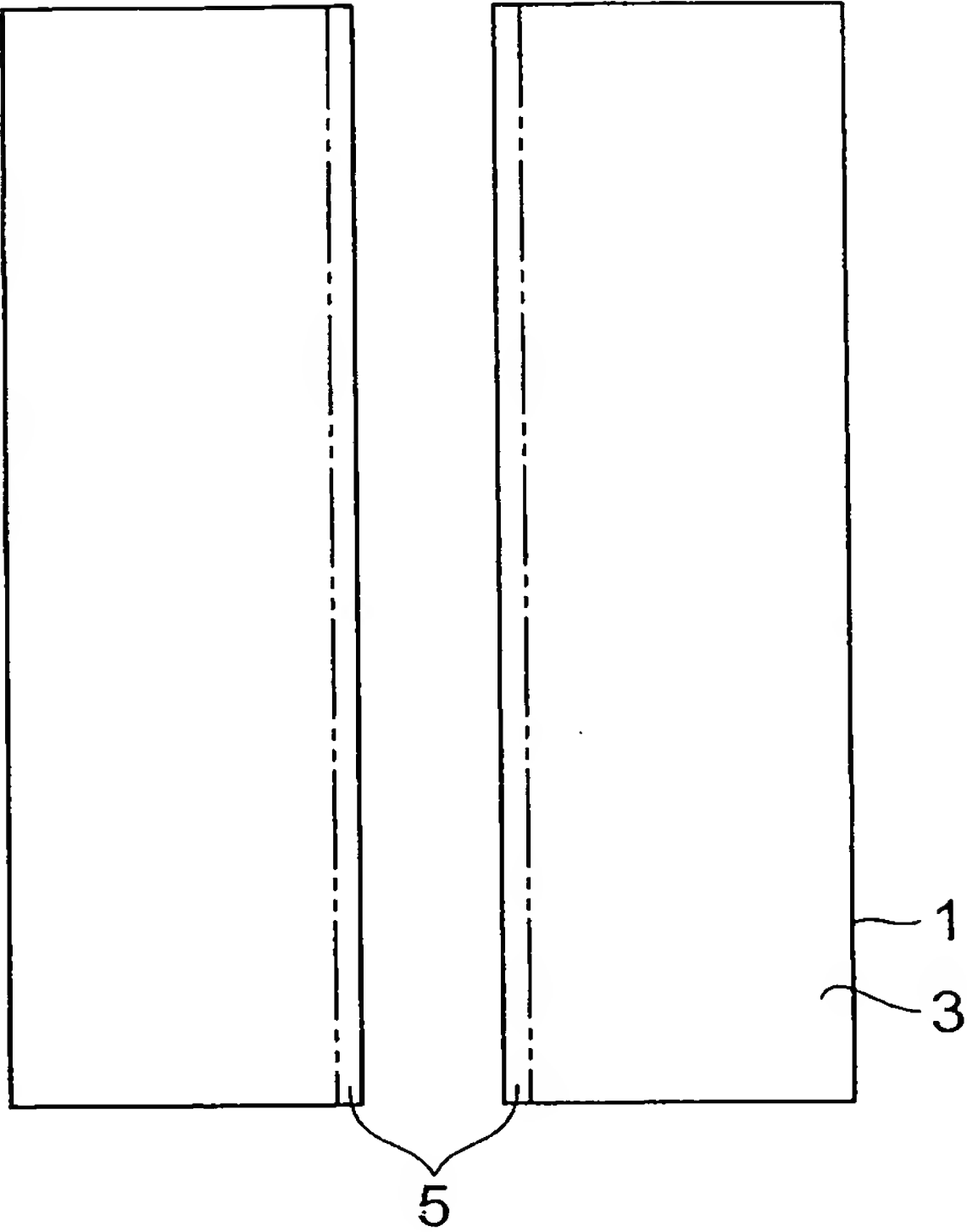


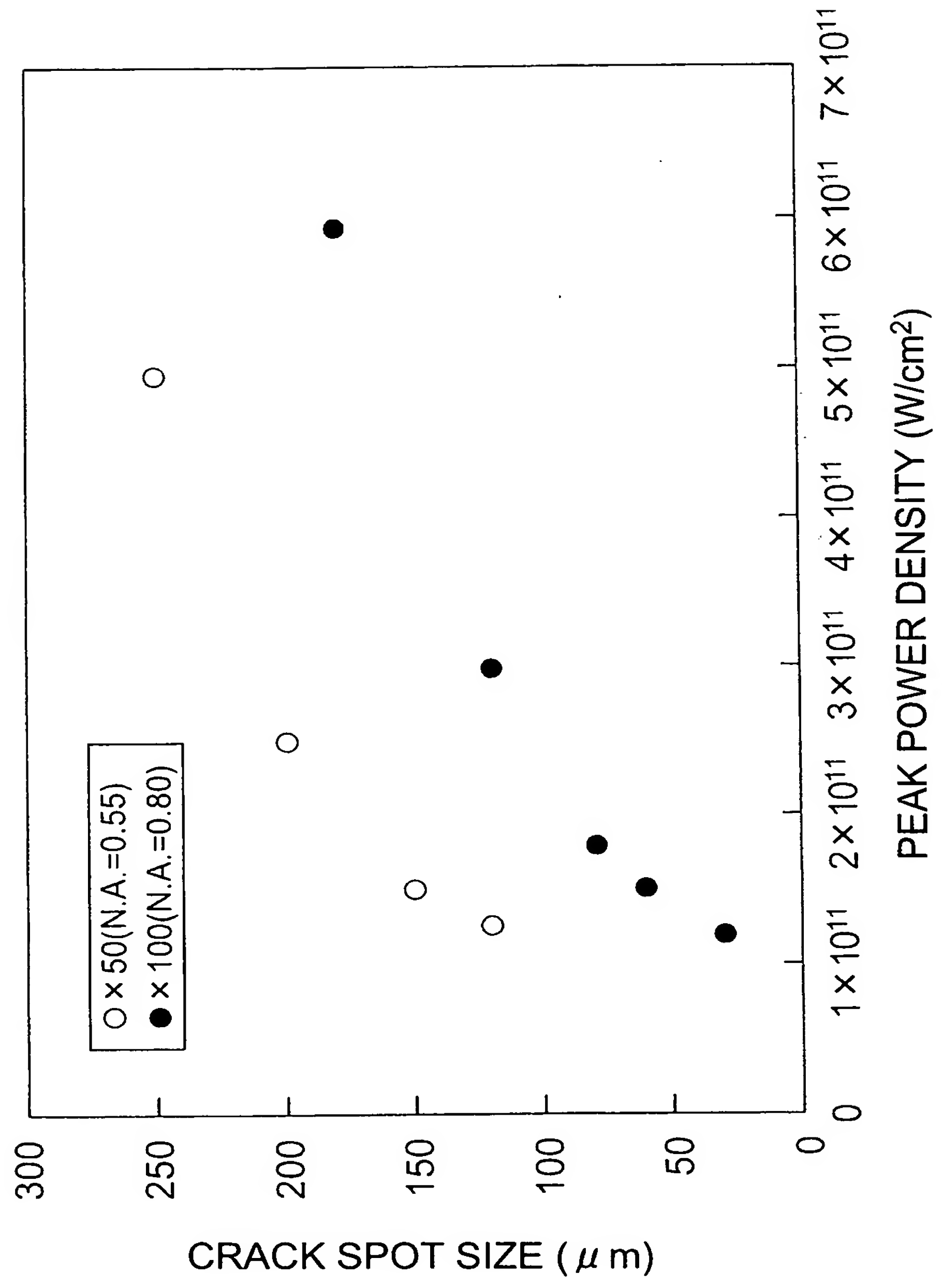
Fig.7

Fig.8

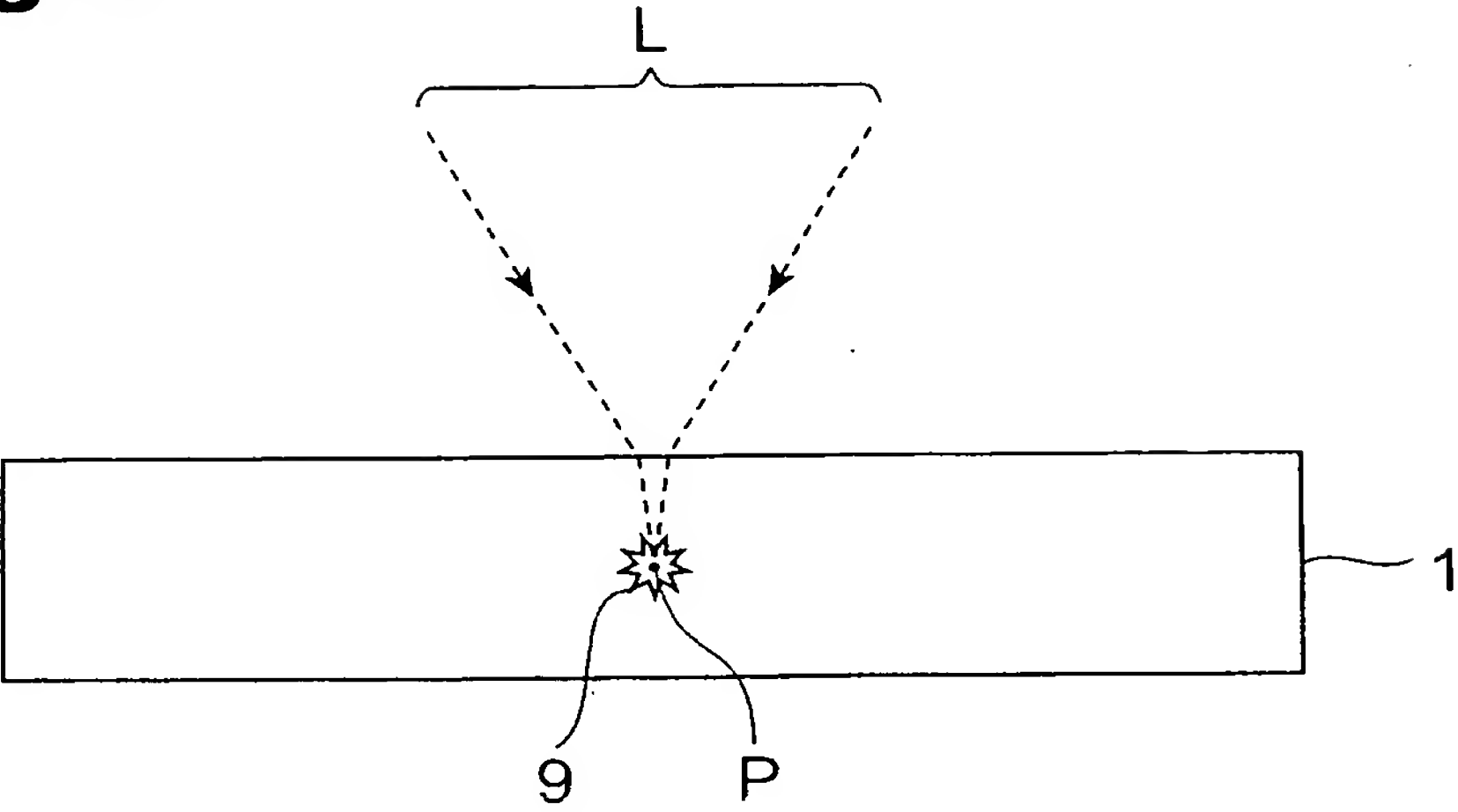


Fig.9

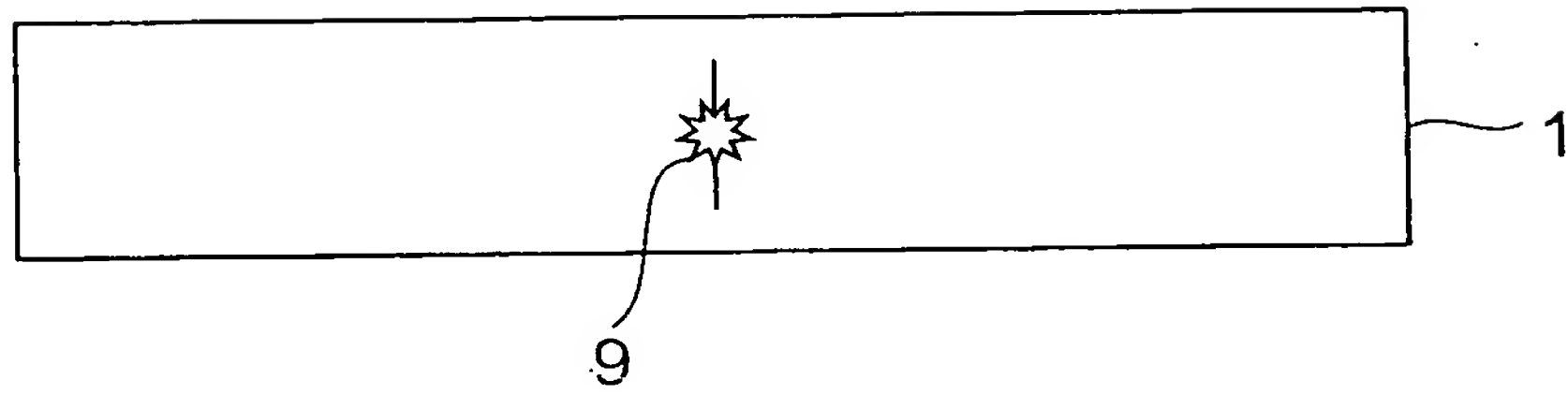


Fig. 10

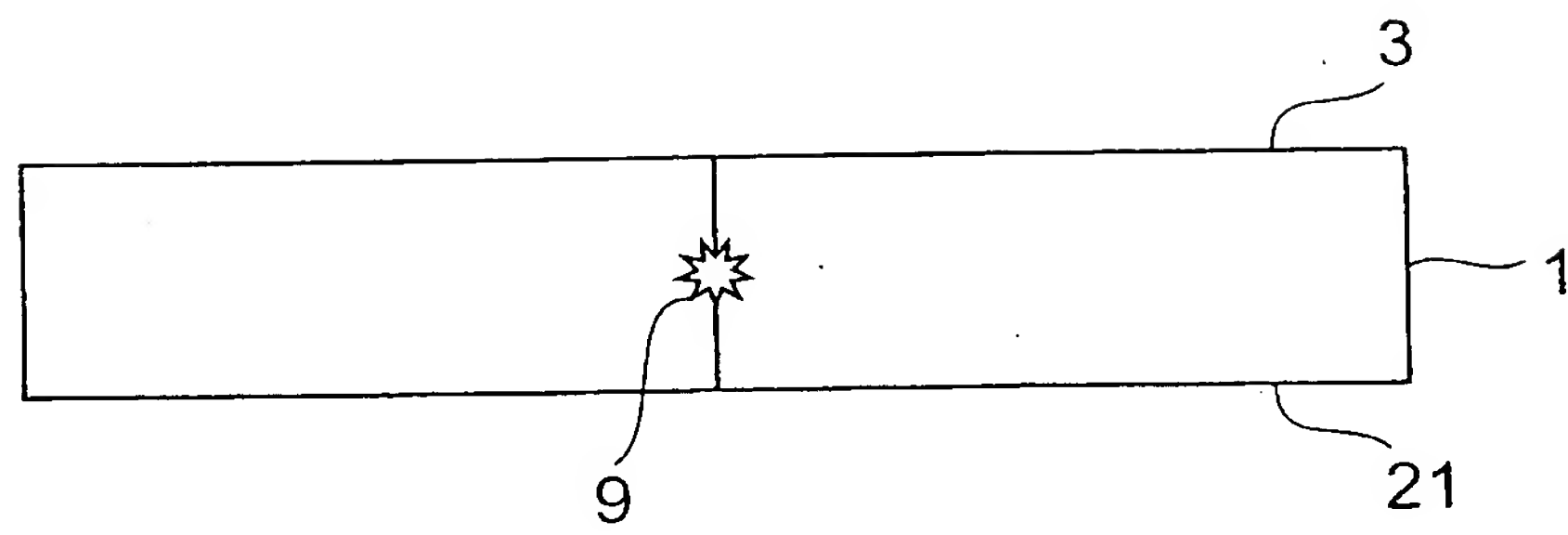
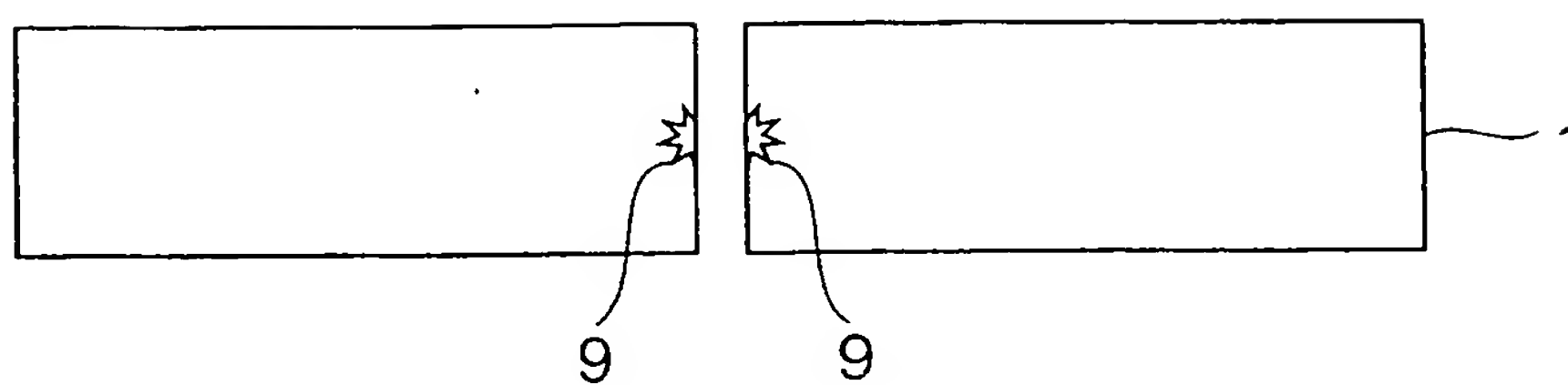


Fig. 11



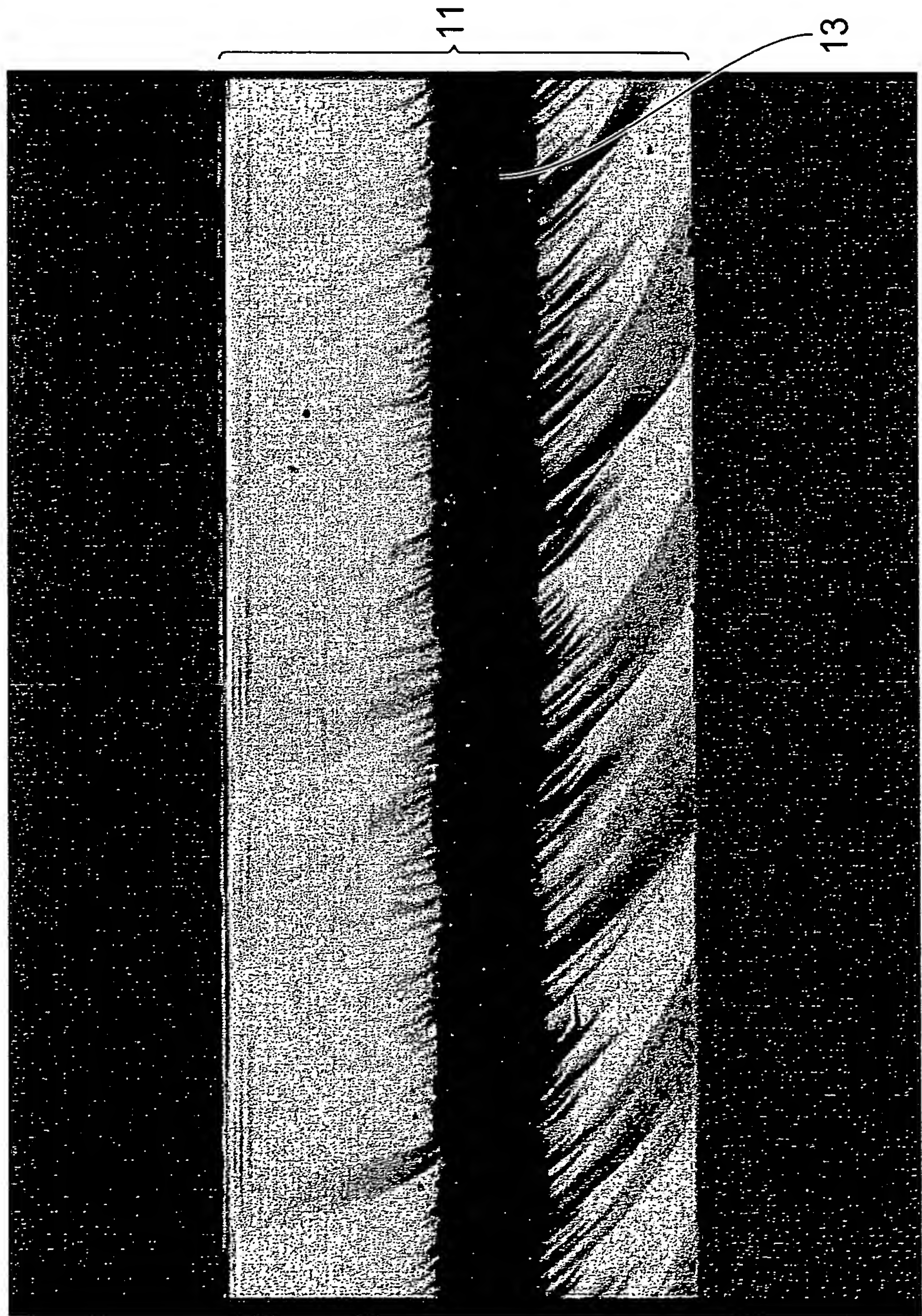


Fig.12

Fig.13

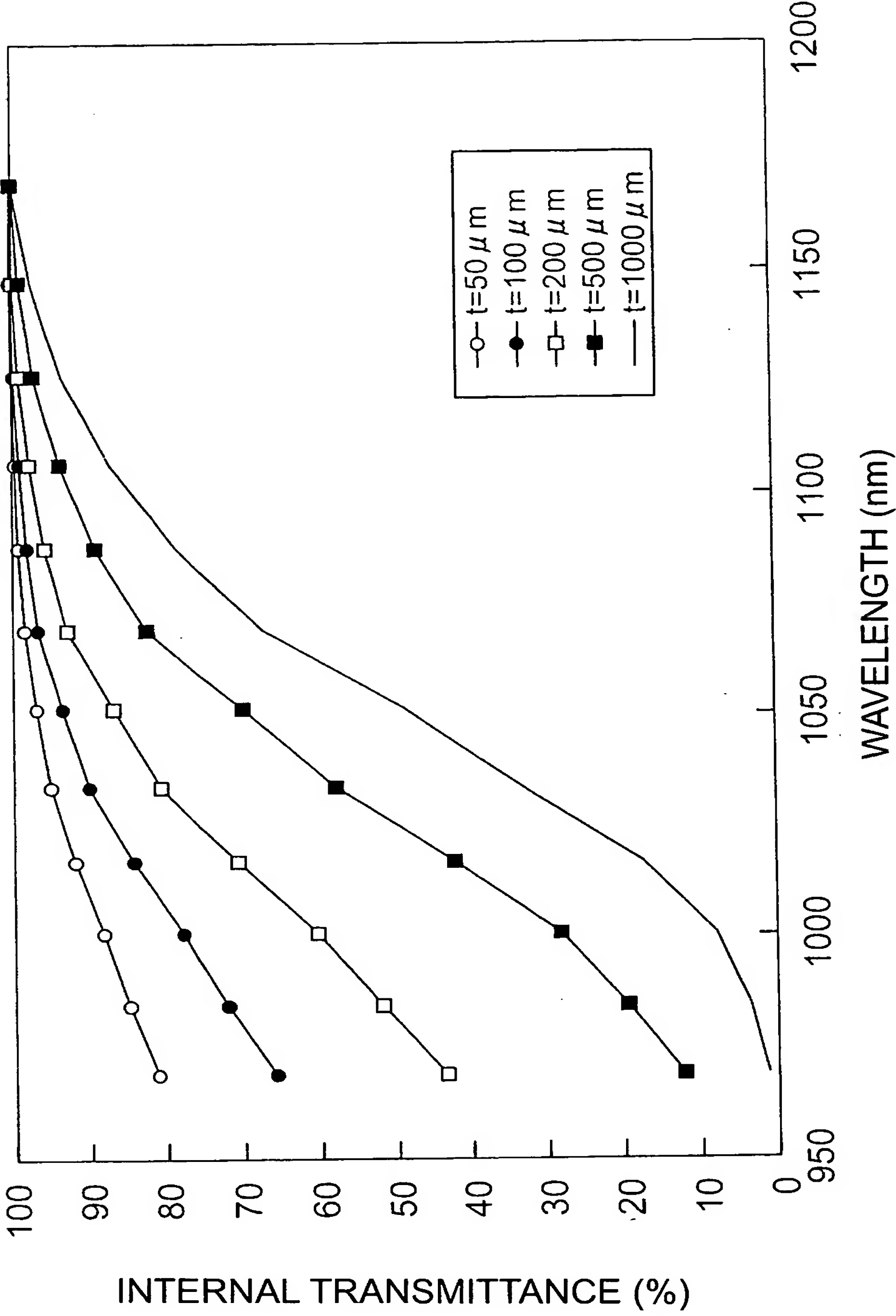


Fig.14

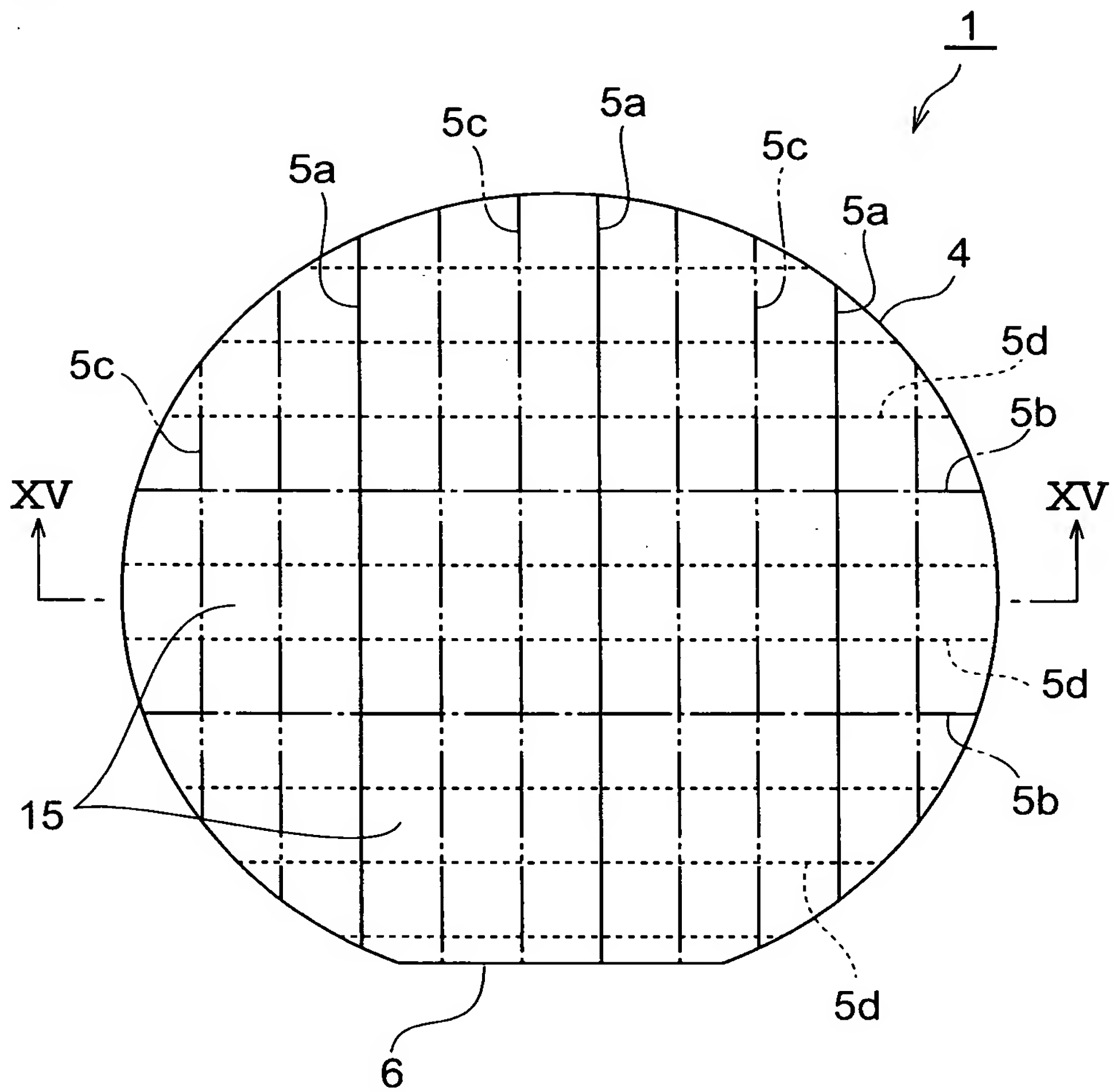


Fig.15

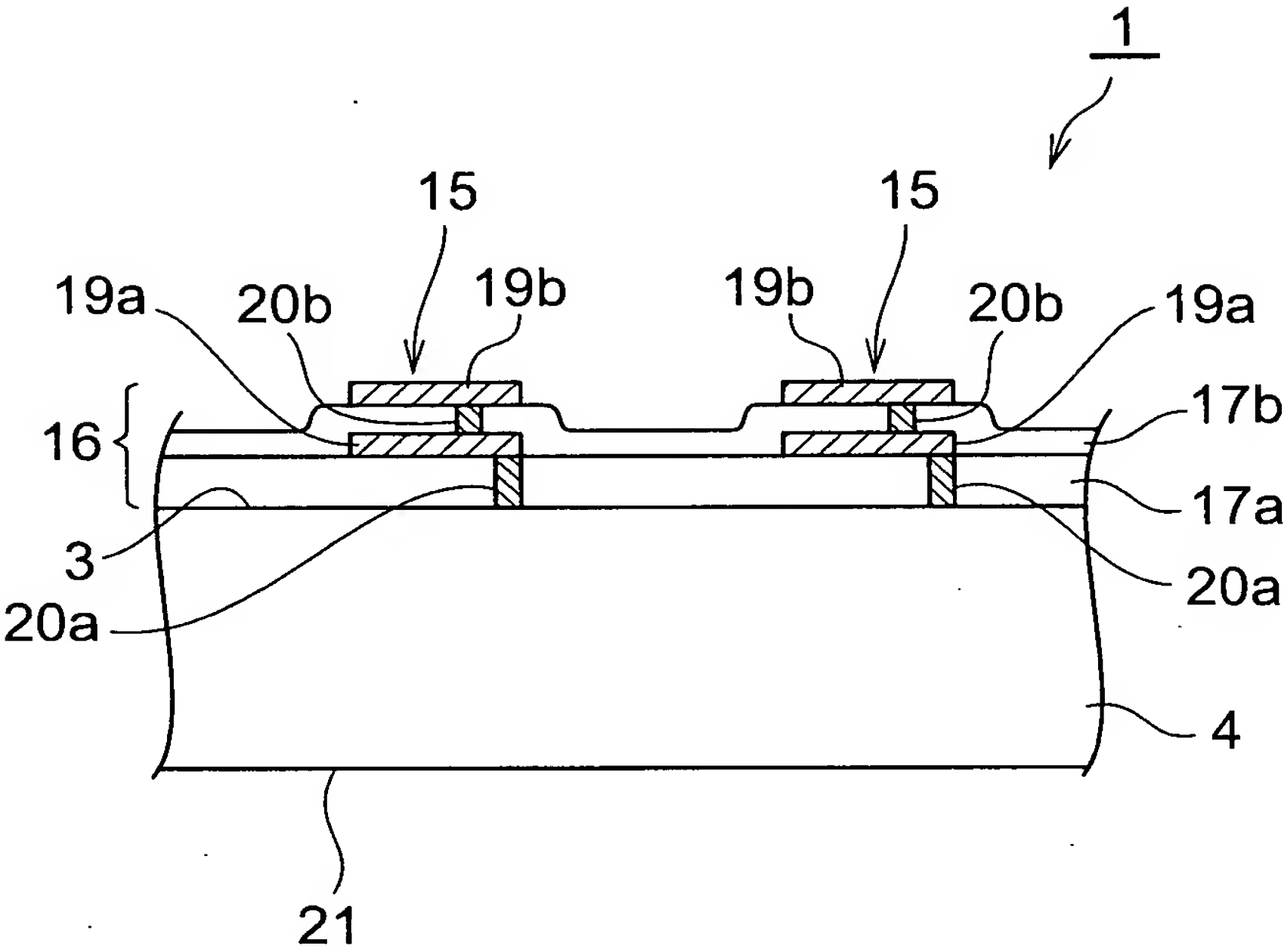


Fig.16

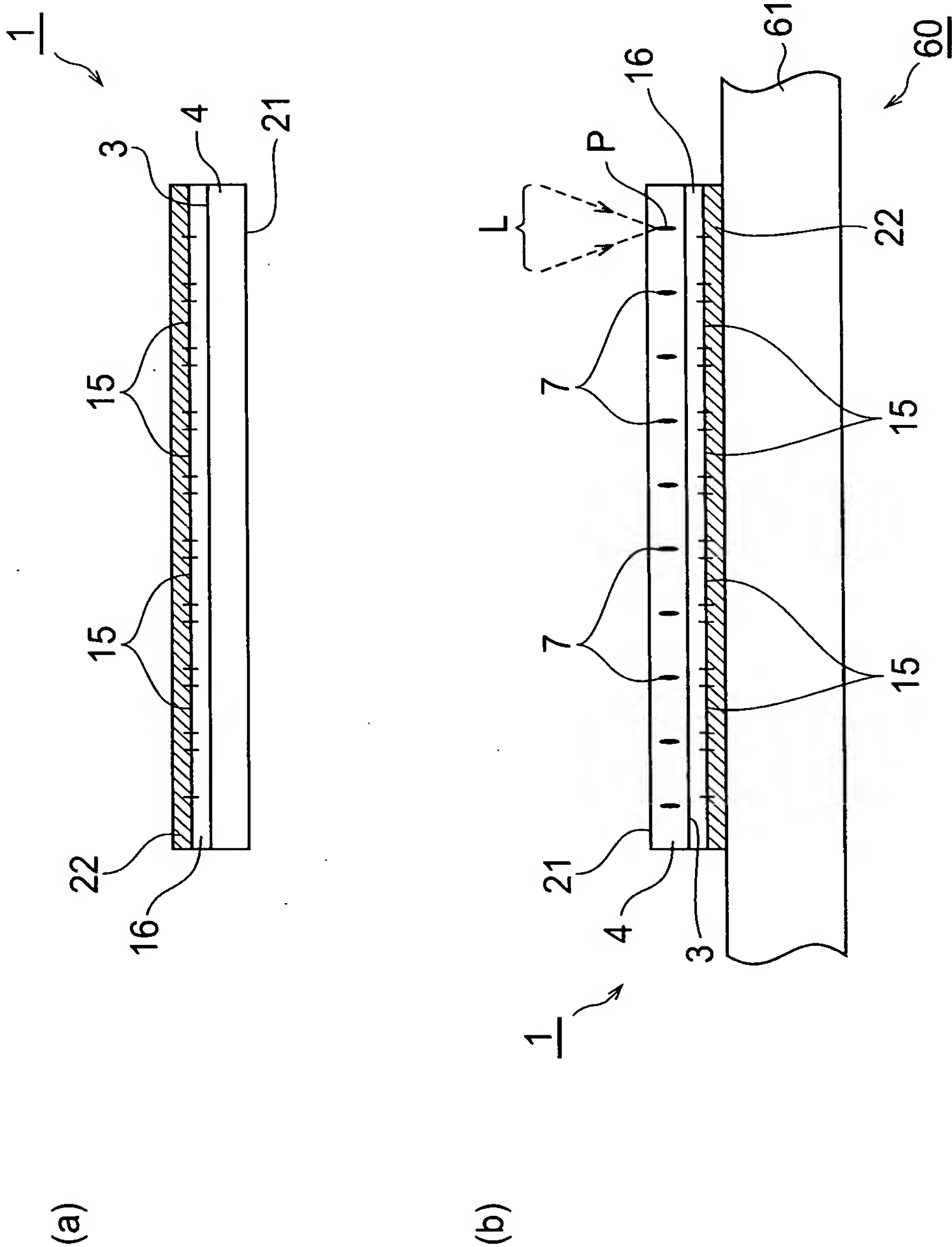


Fig.18

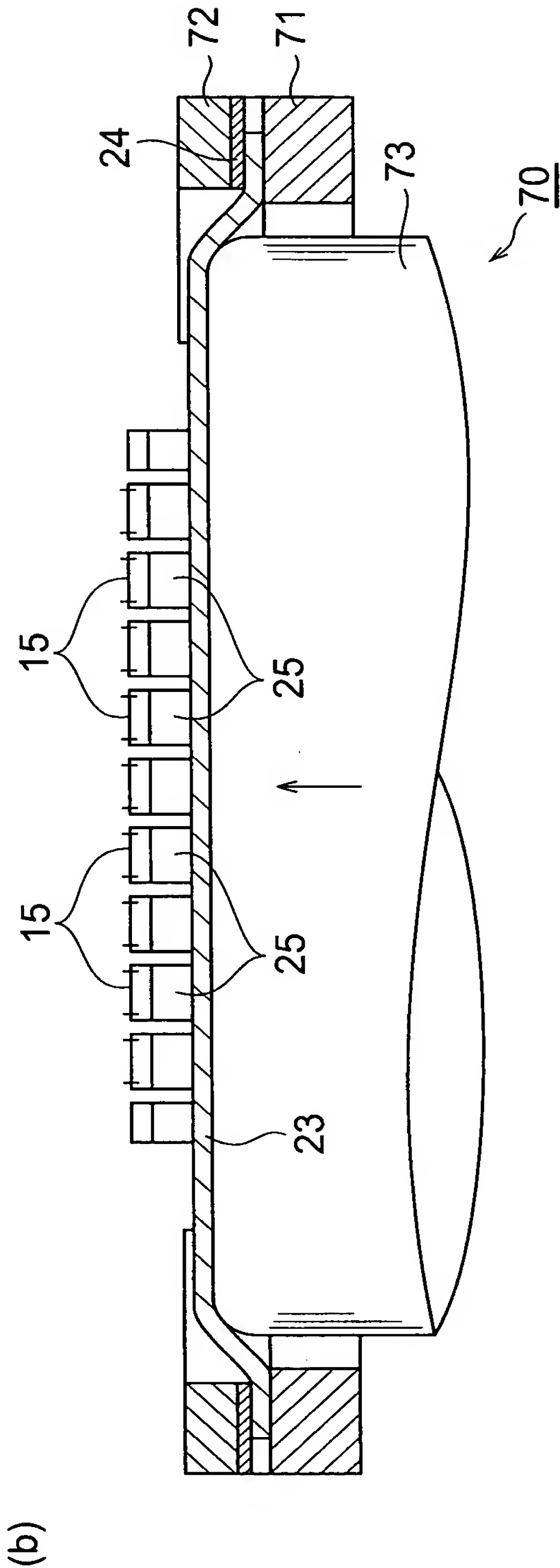
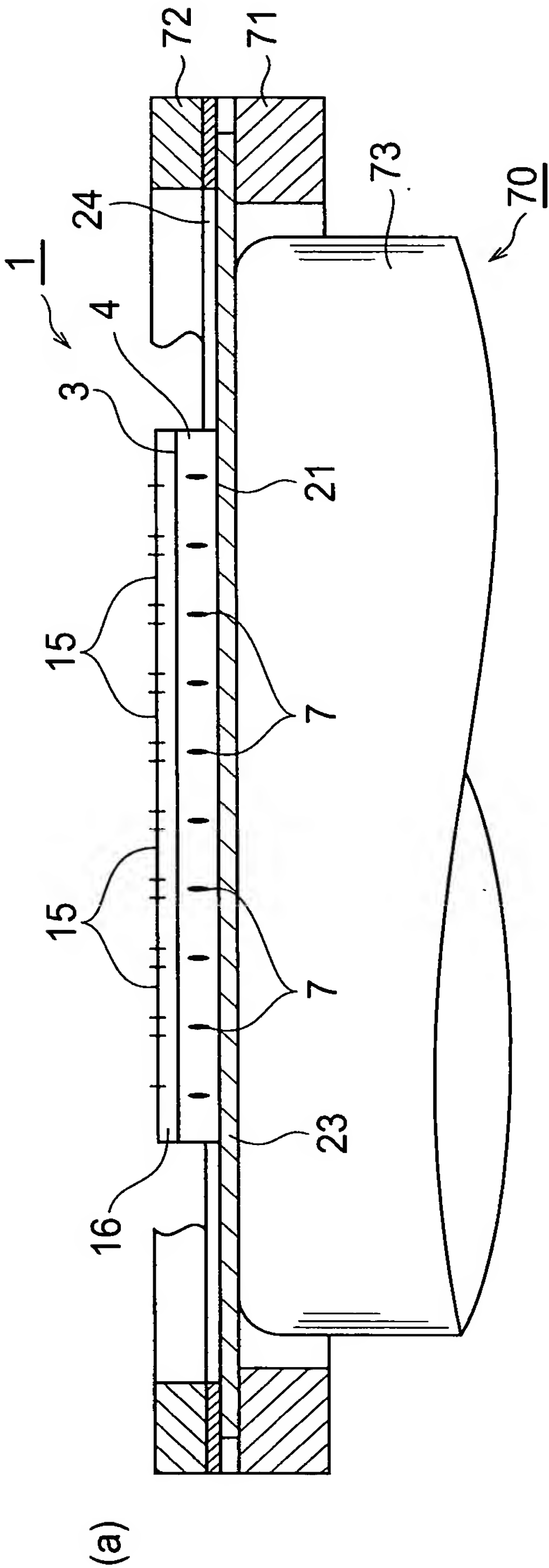


Fig.19

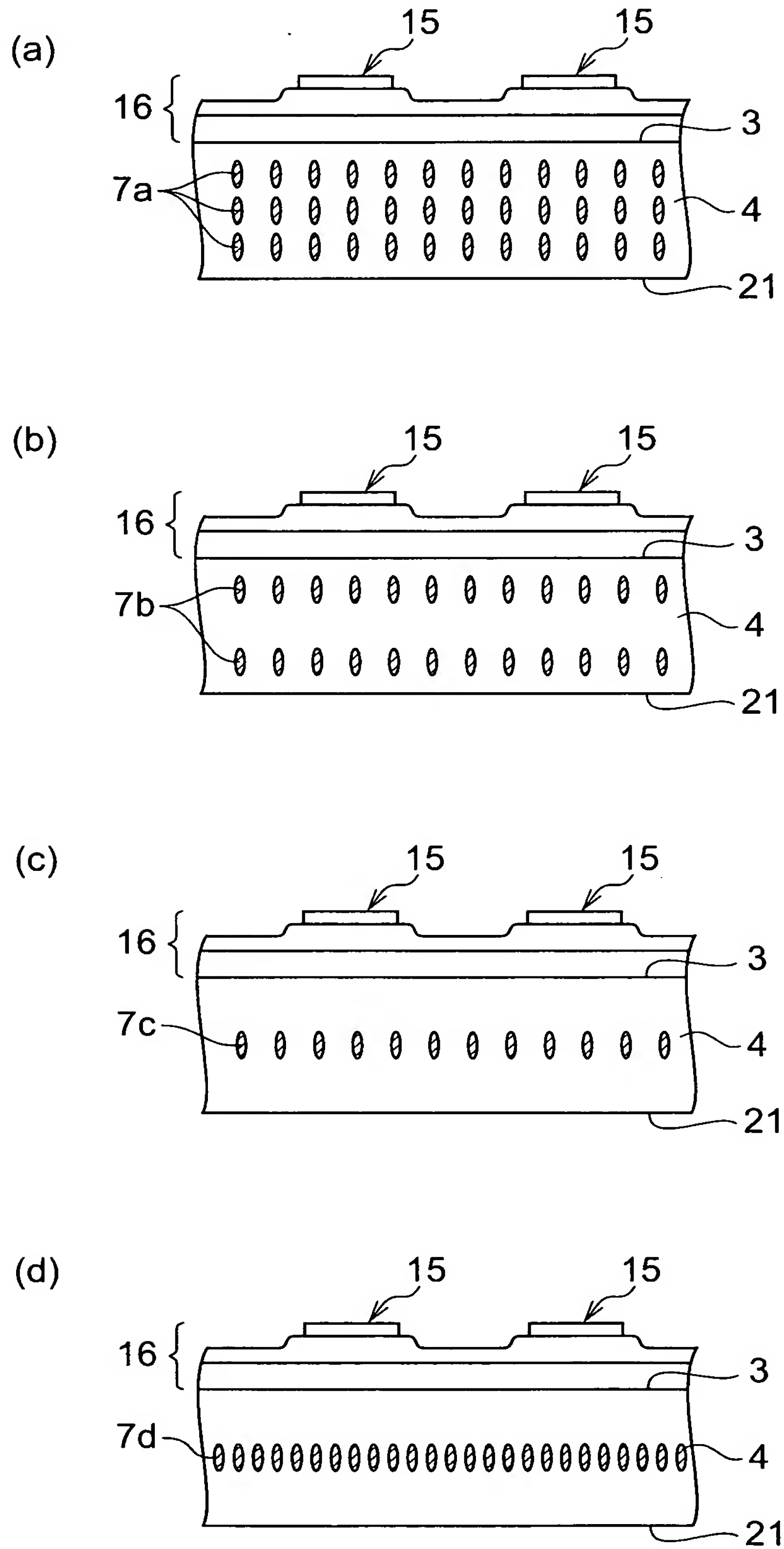


Fig.20

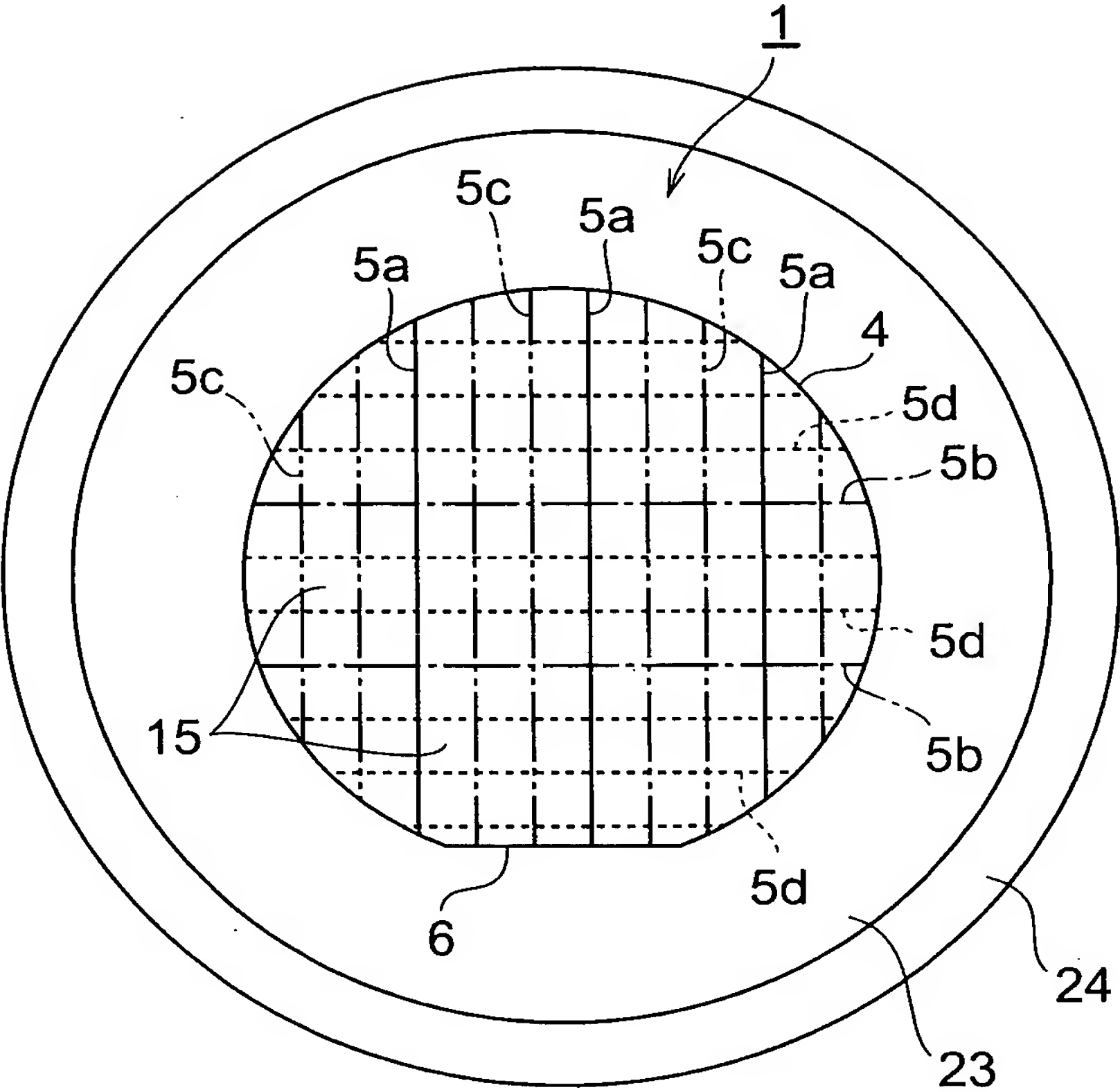


Fig.21

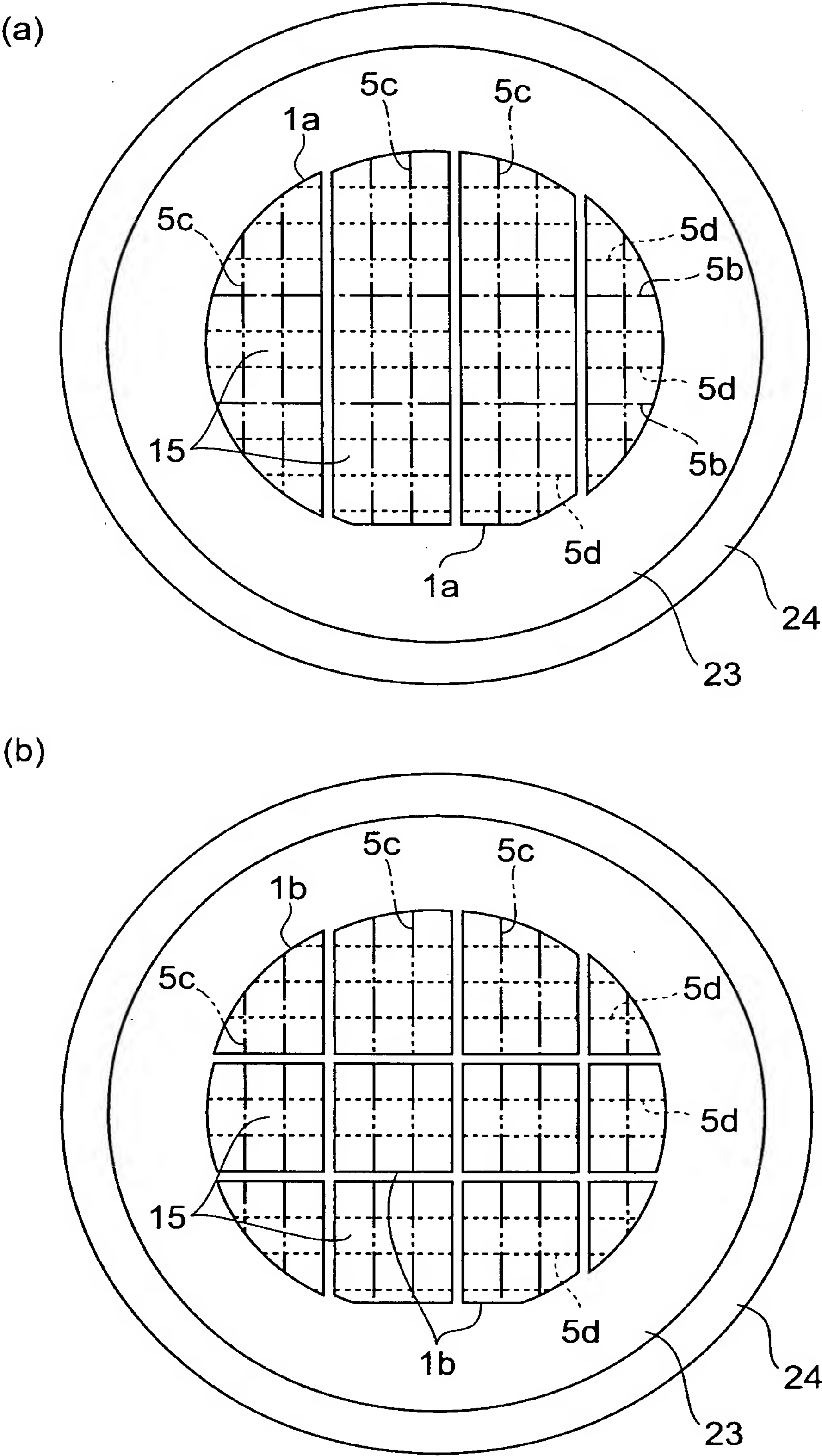


Fig.22

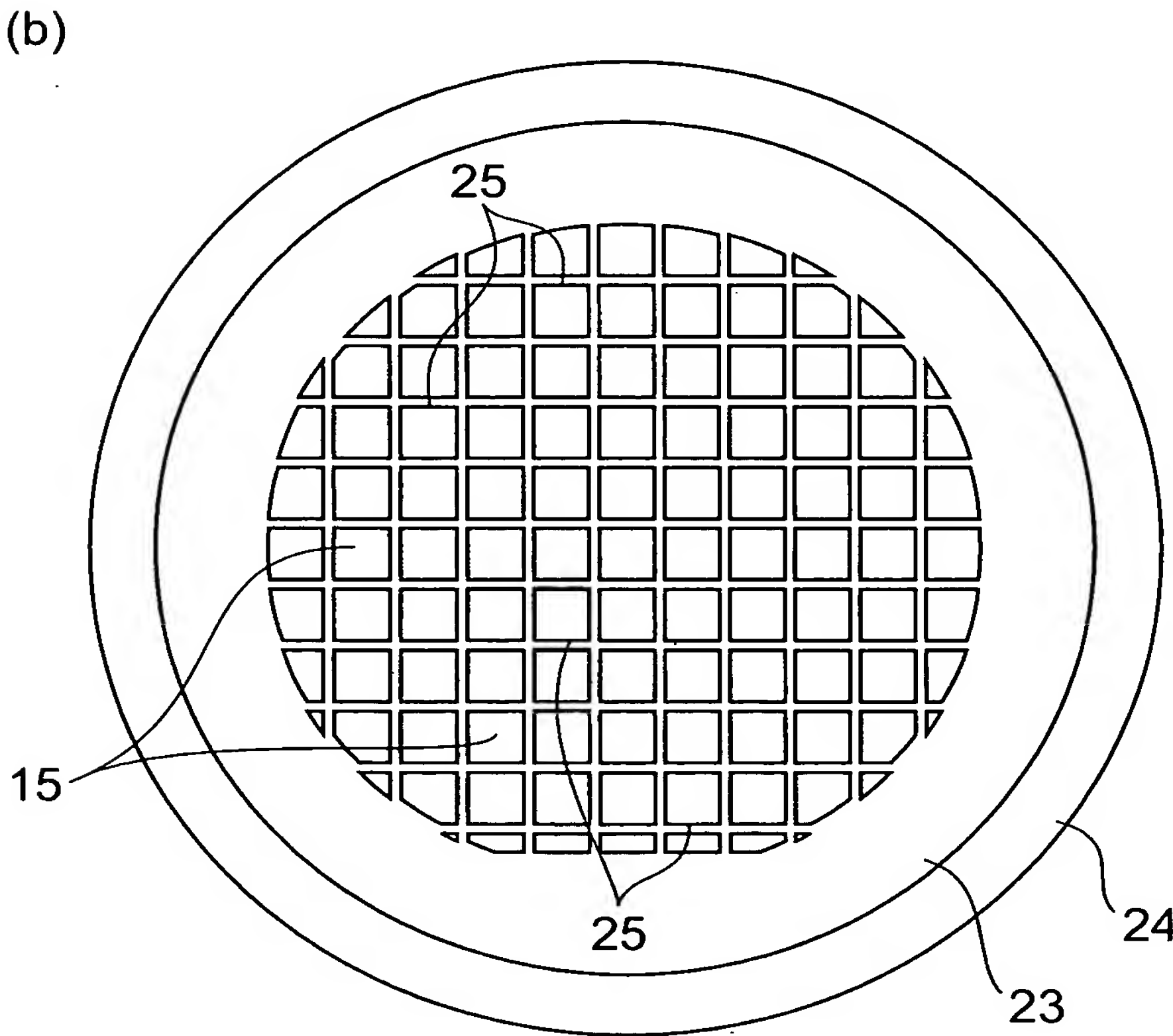
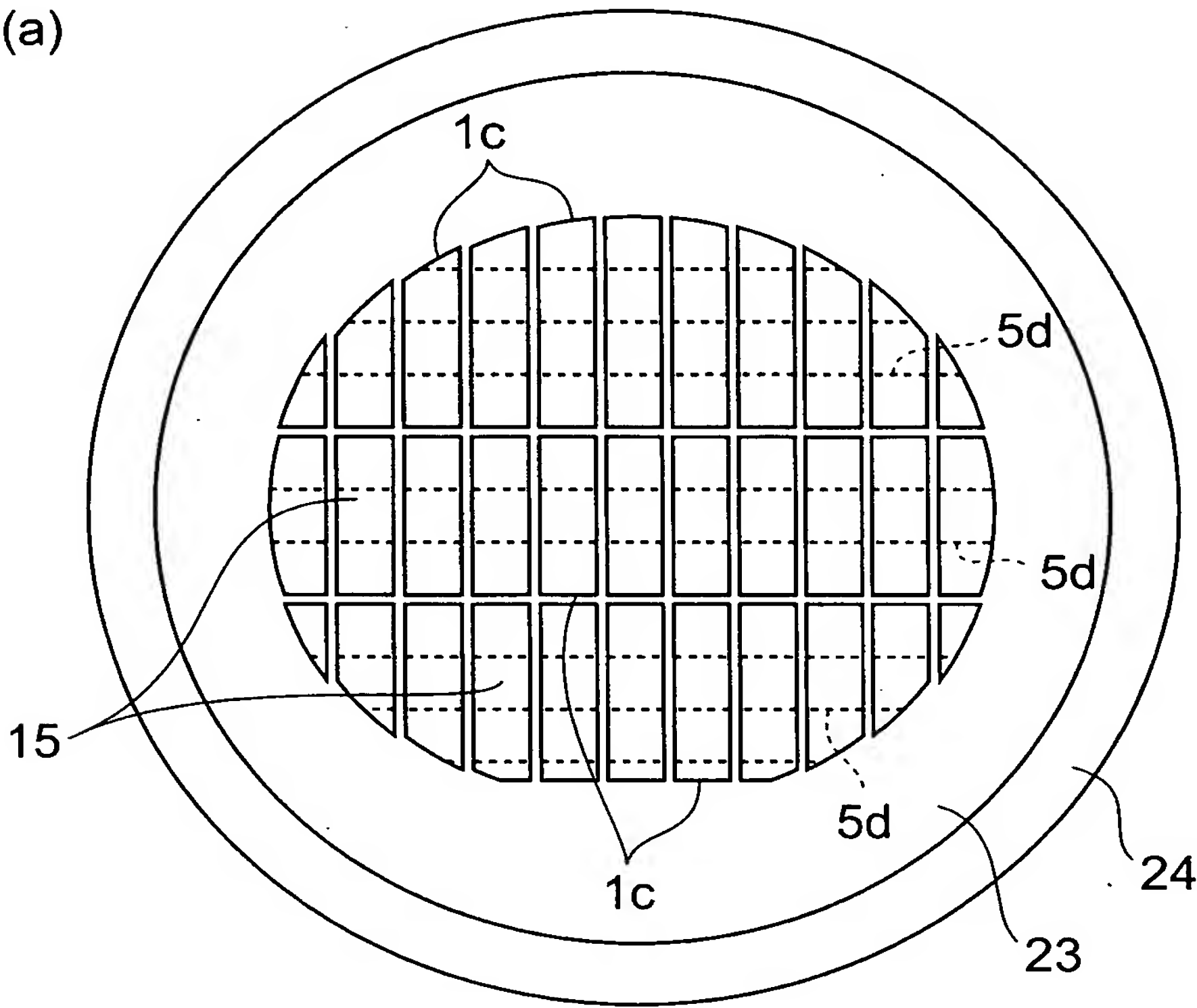


Fig.23

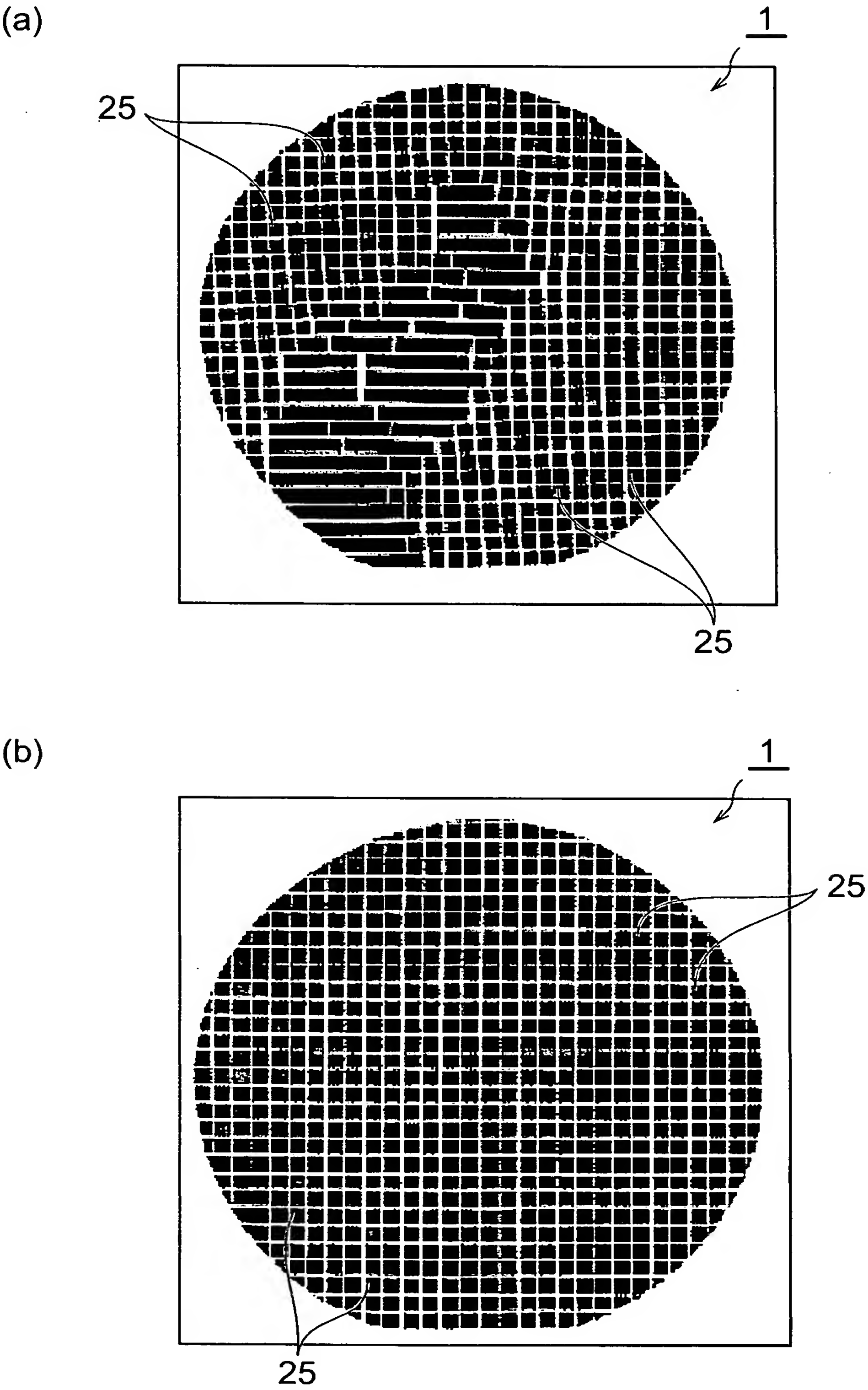
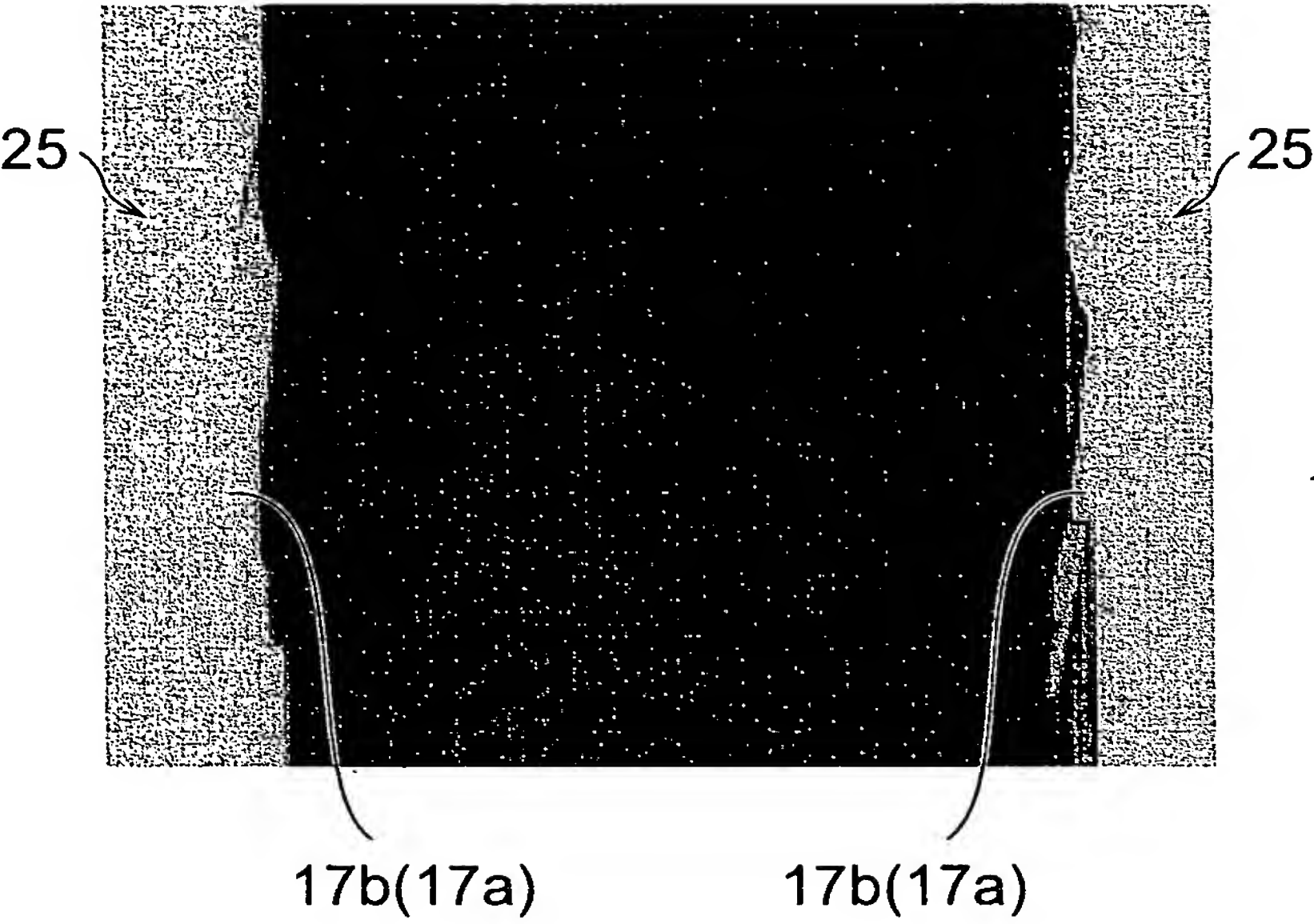


Fig.24

(a)



(b)

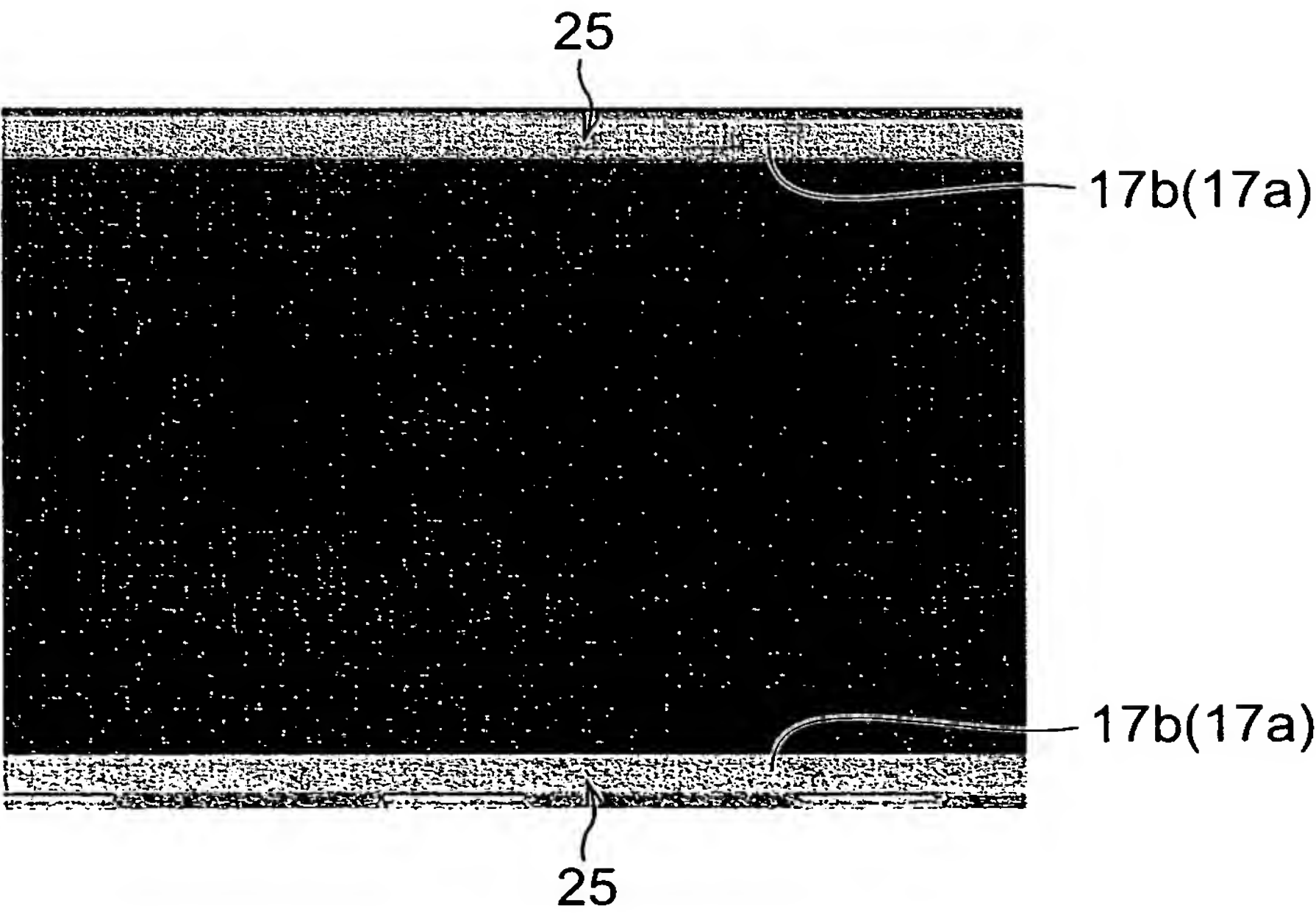
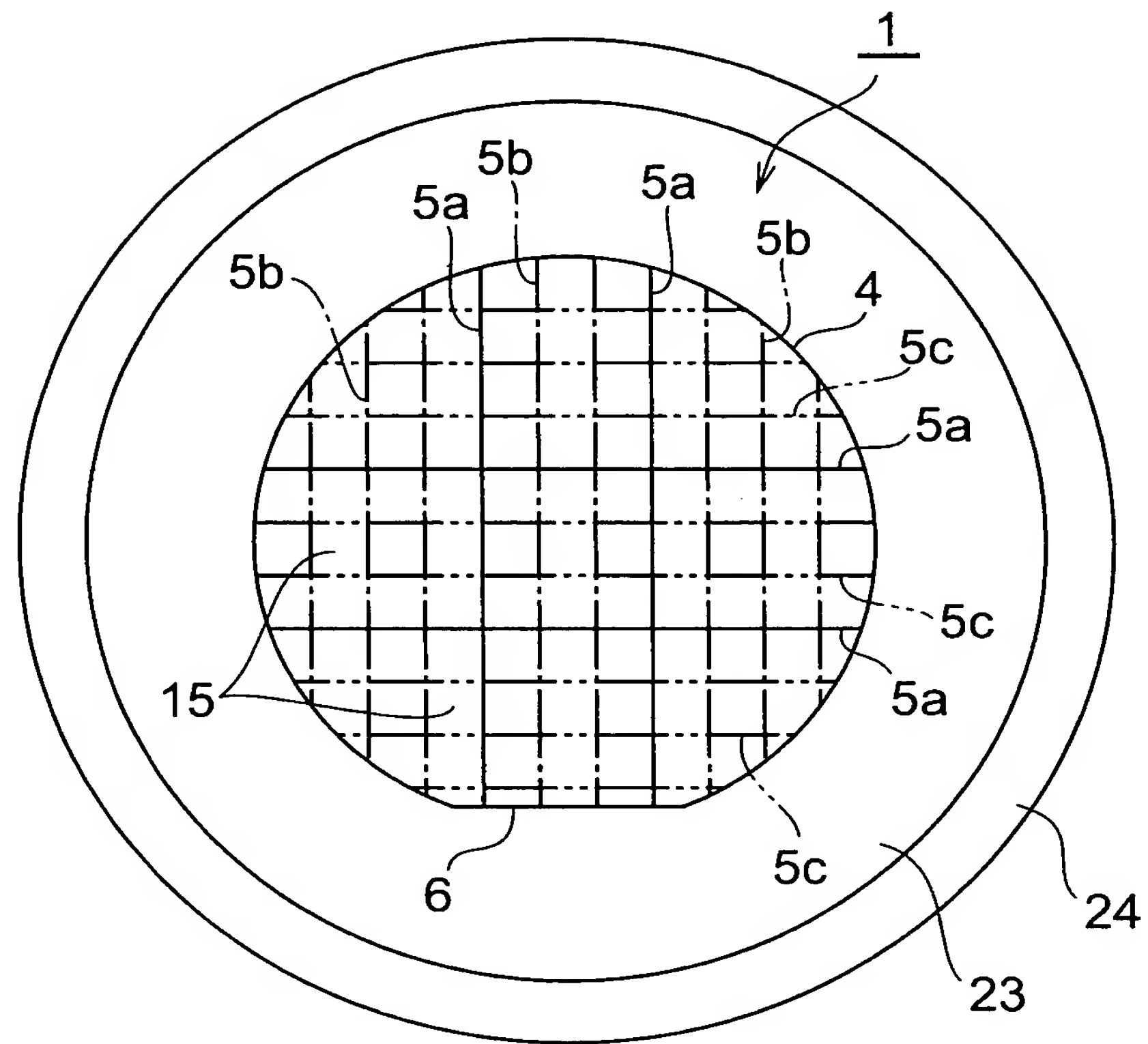


Fig.26

(a)



(b)

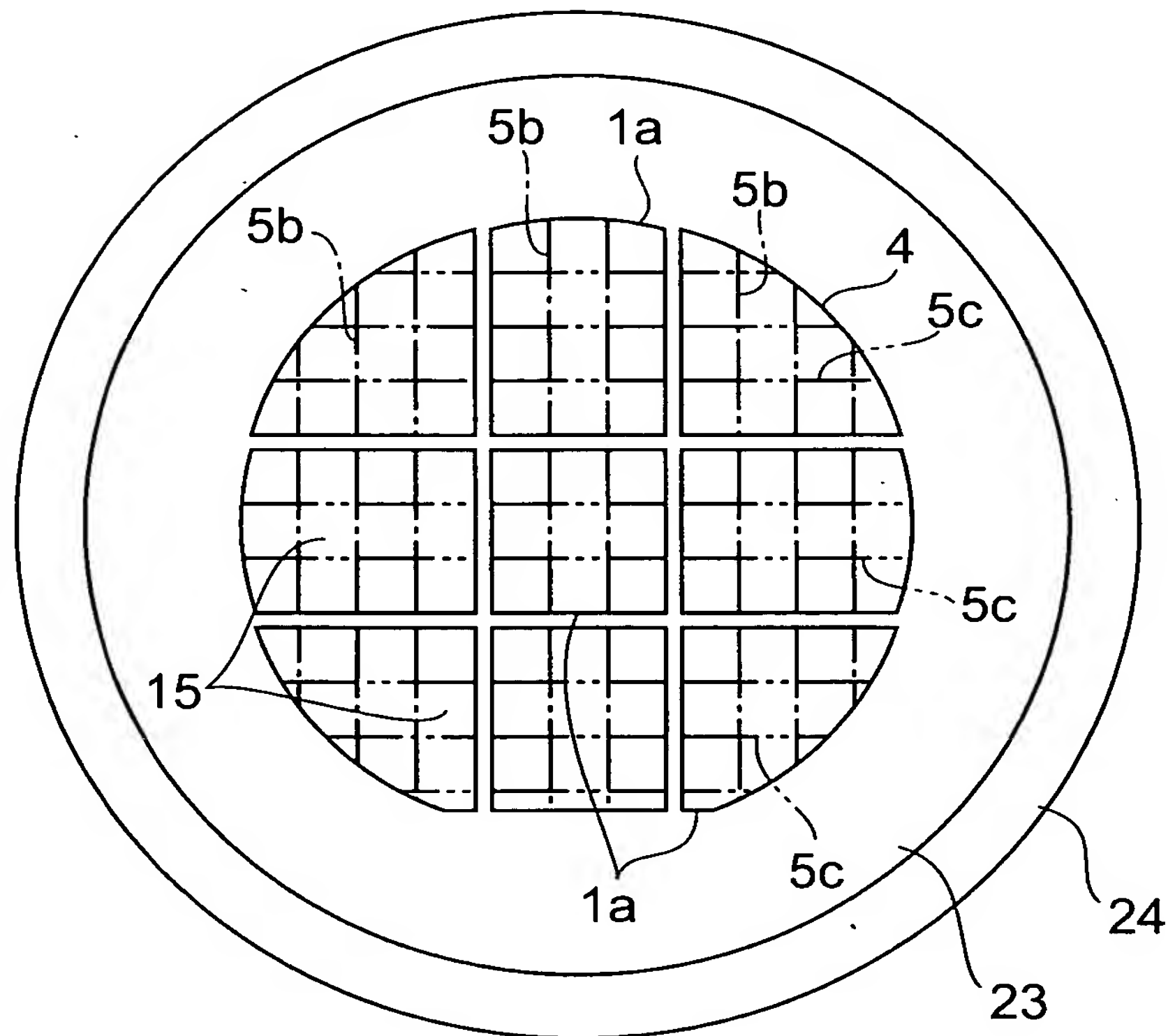


Fig.27

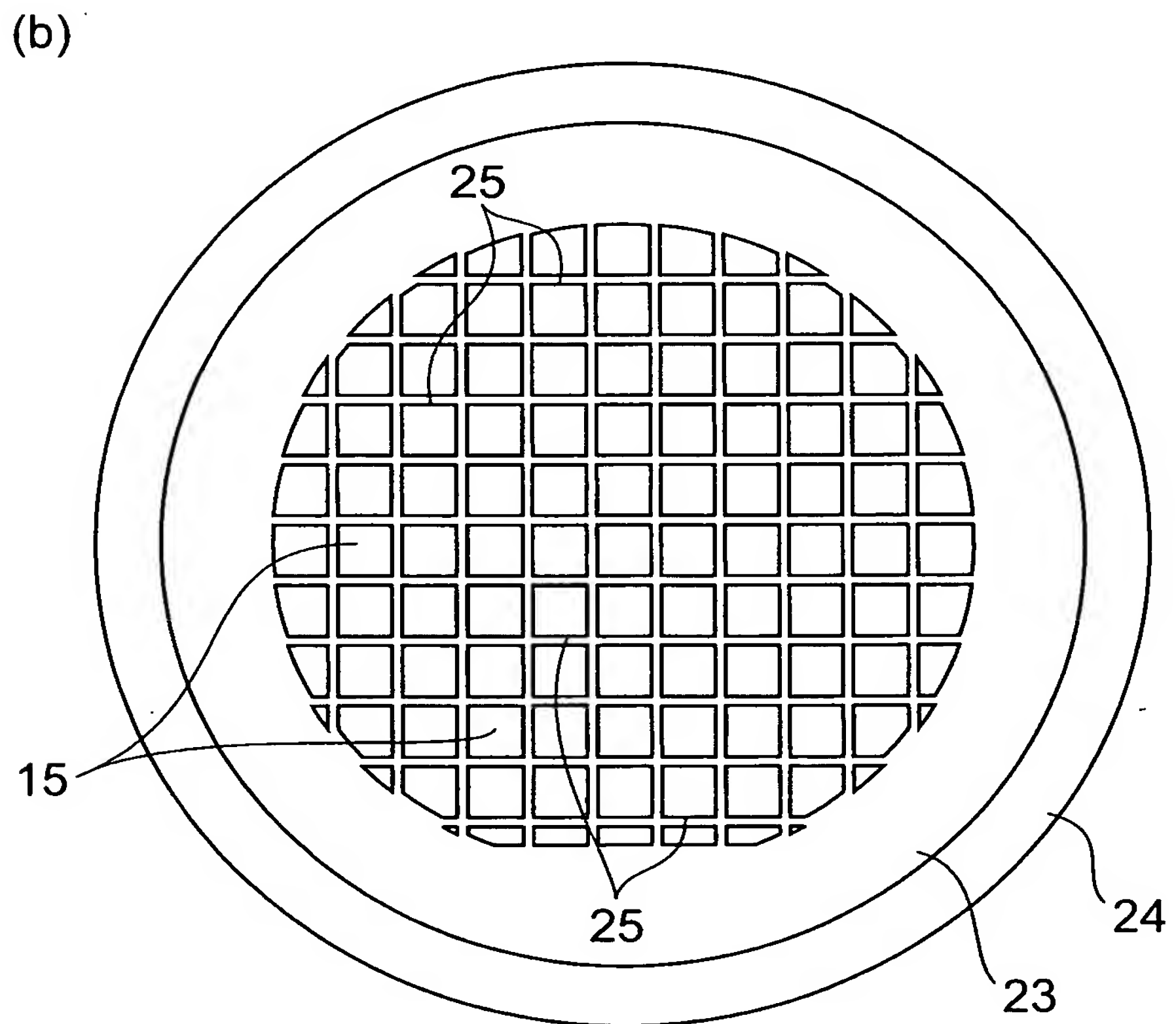
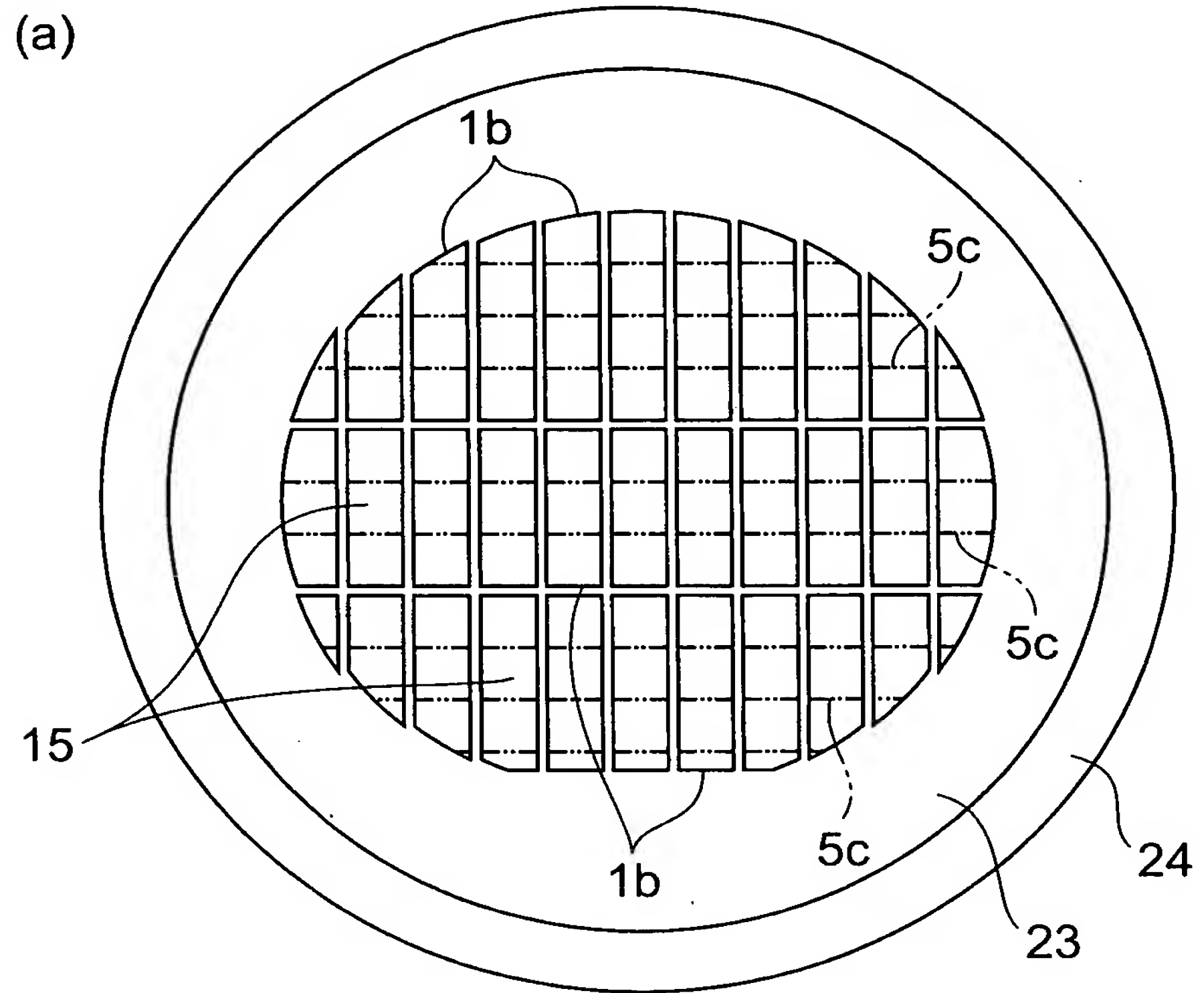


Fig.28

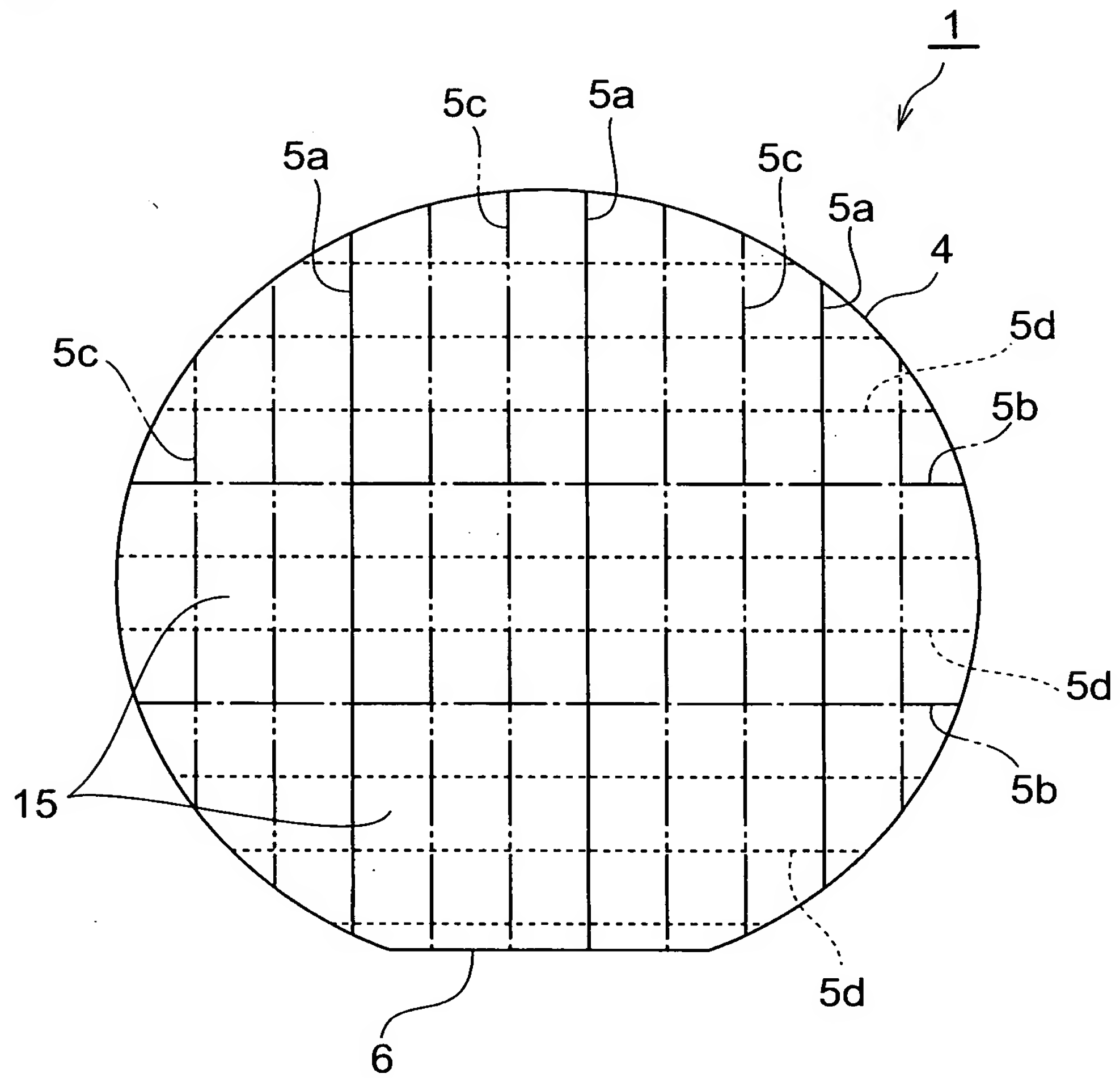


Fig. 29

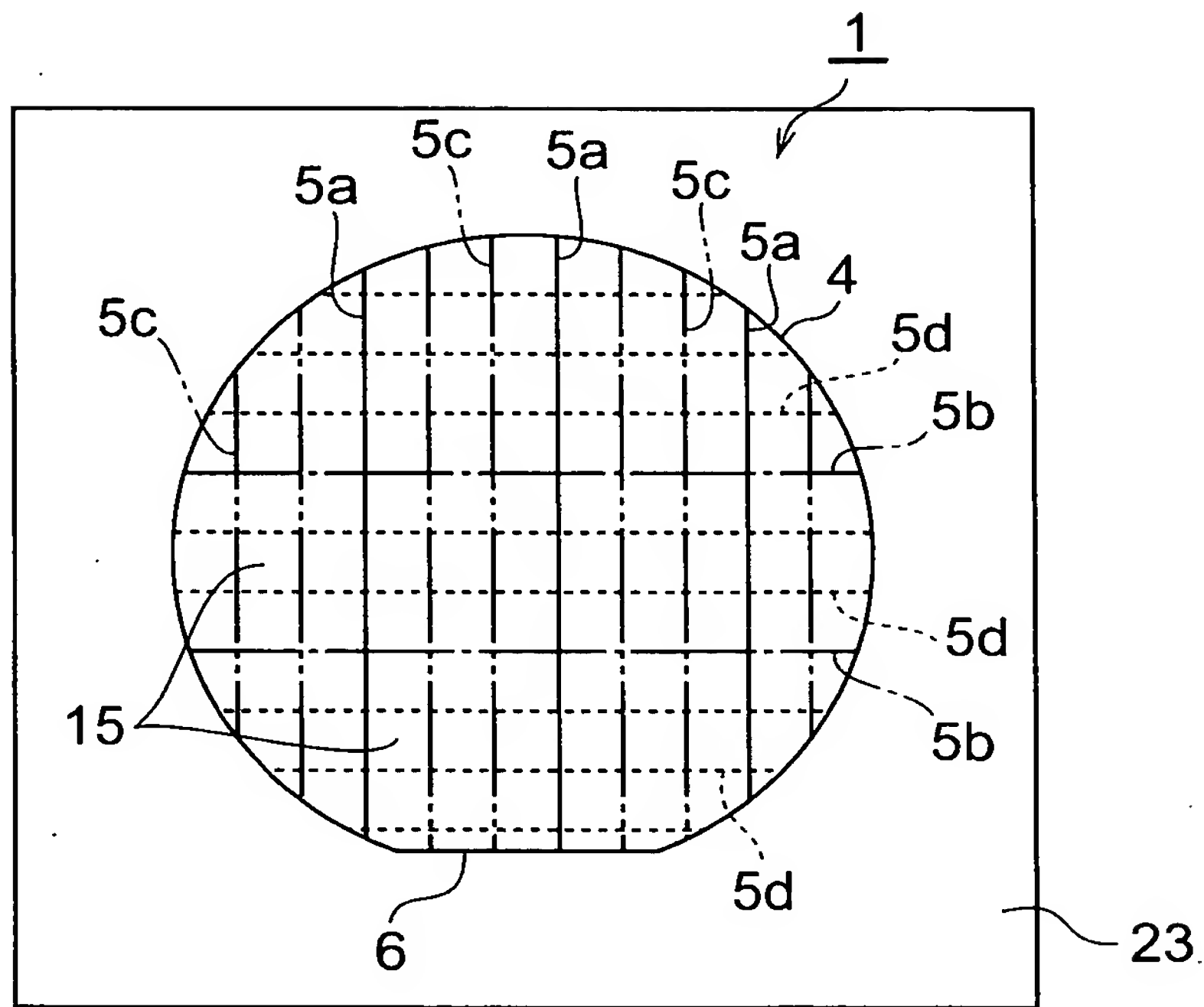
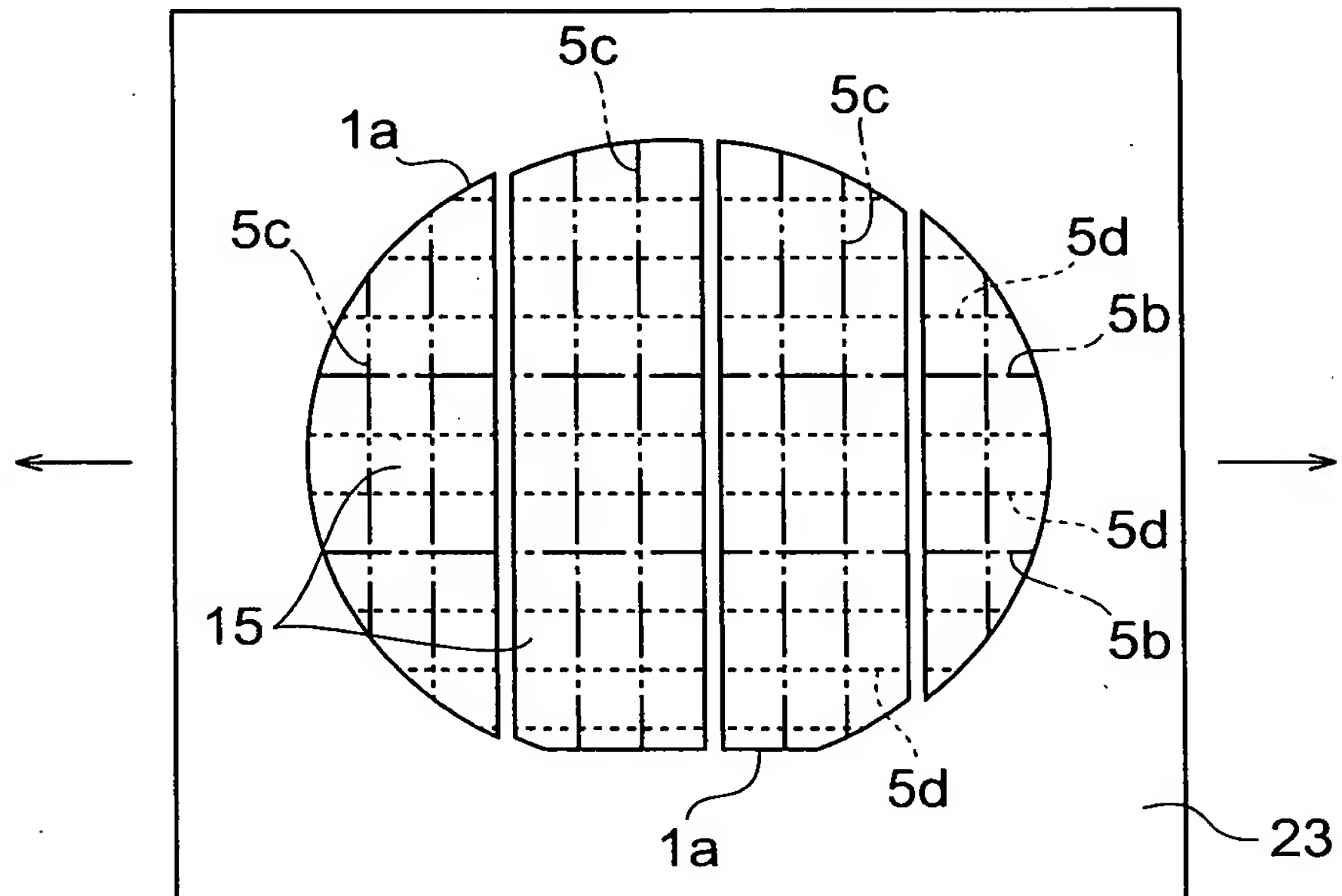


Fig.30

(a)



(b)

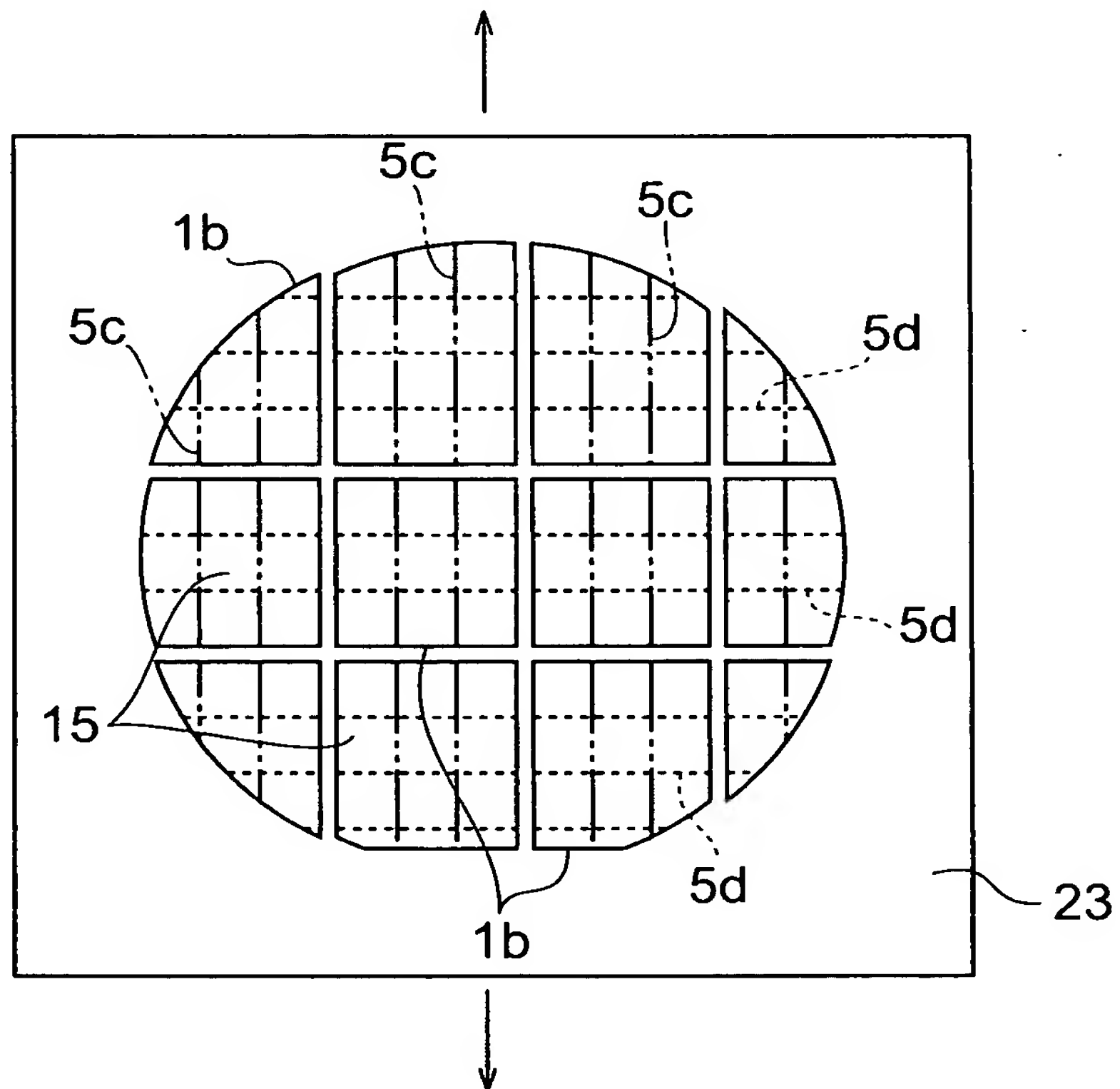
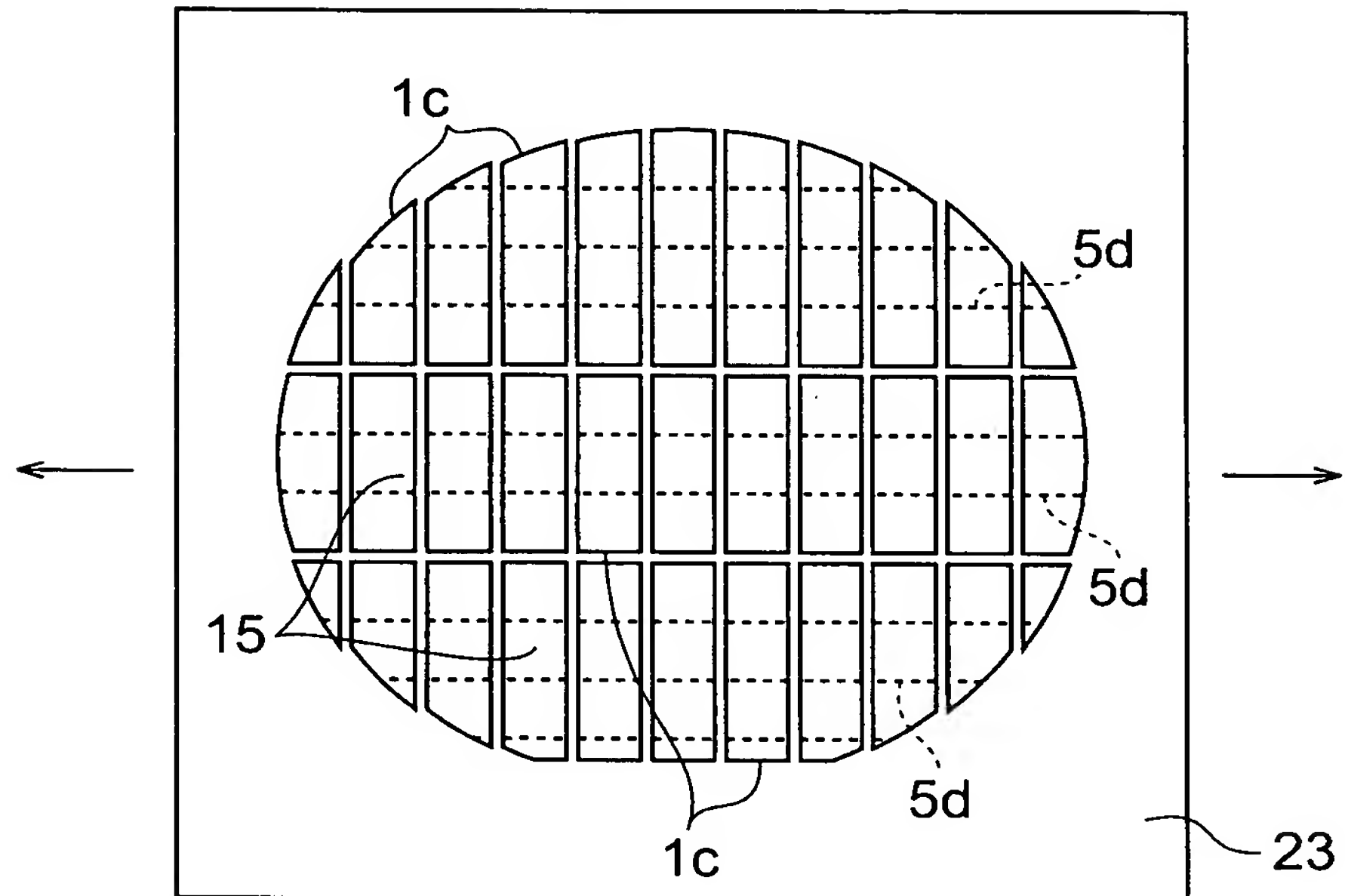


Fig.31

(a)



(b)

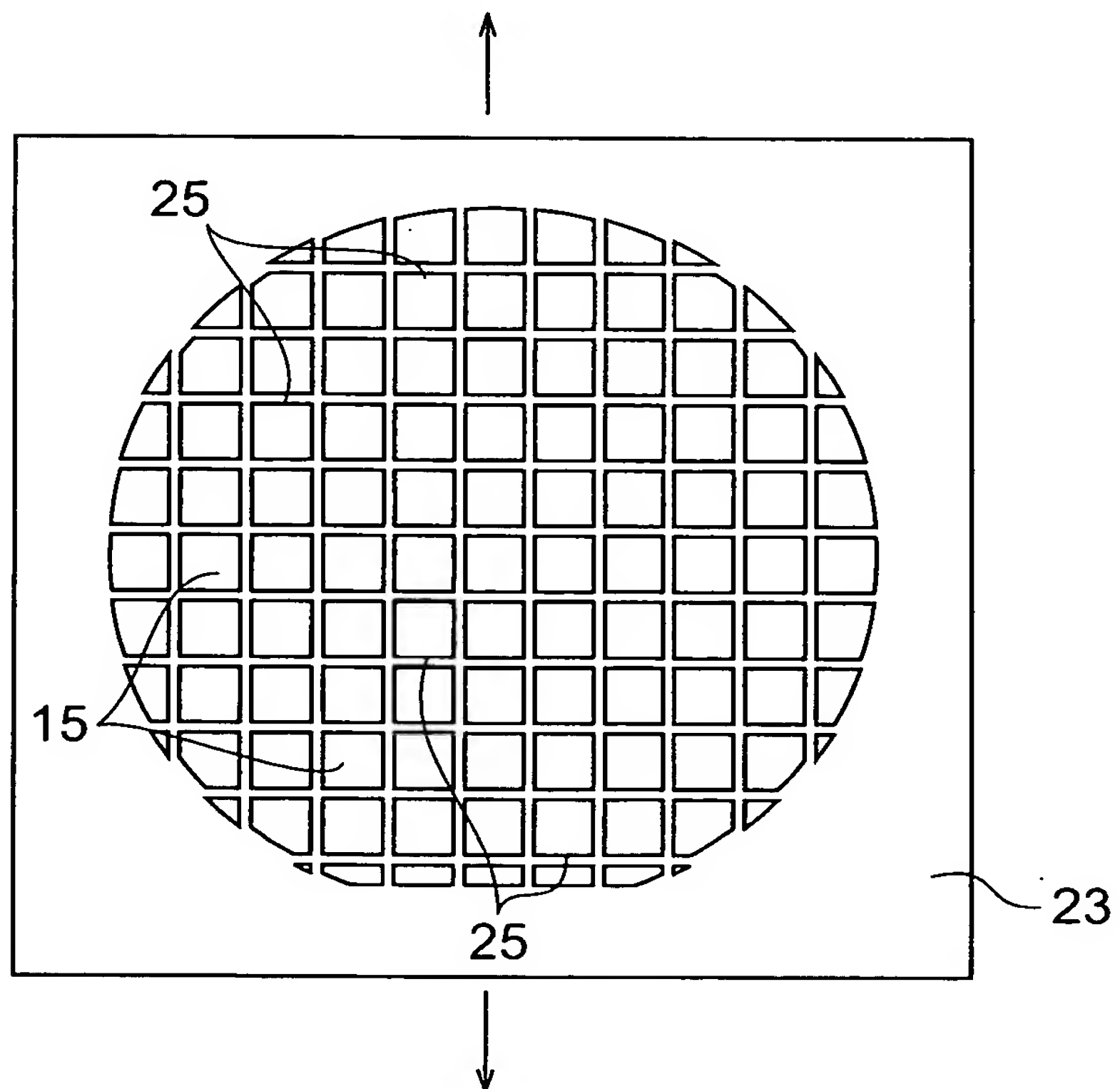


Fig.32

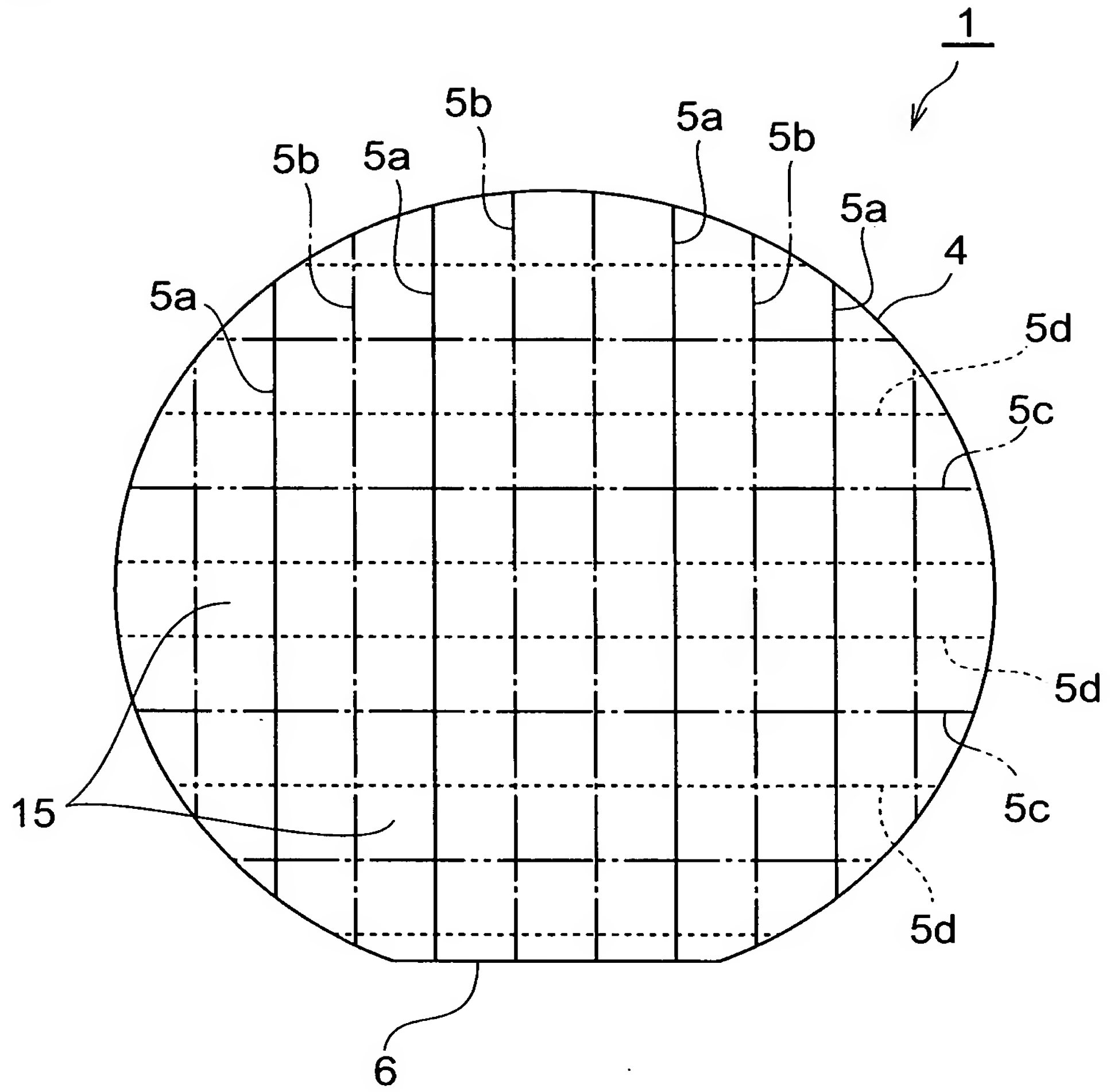


Fig.33

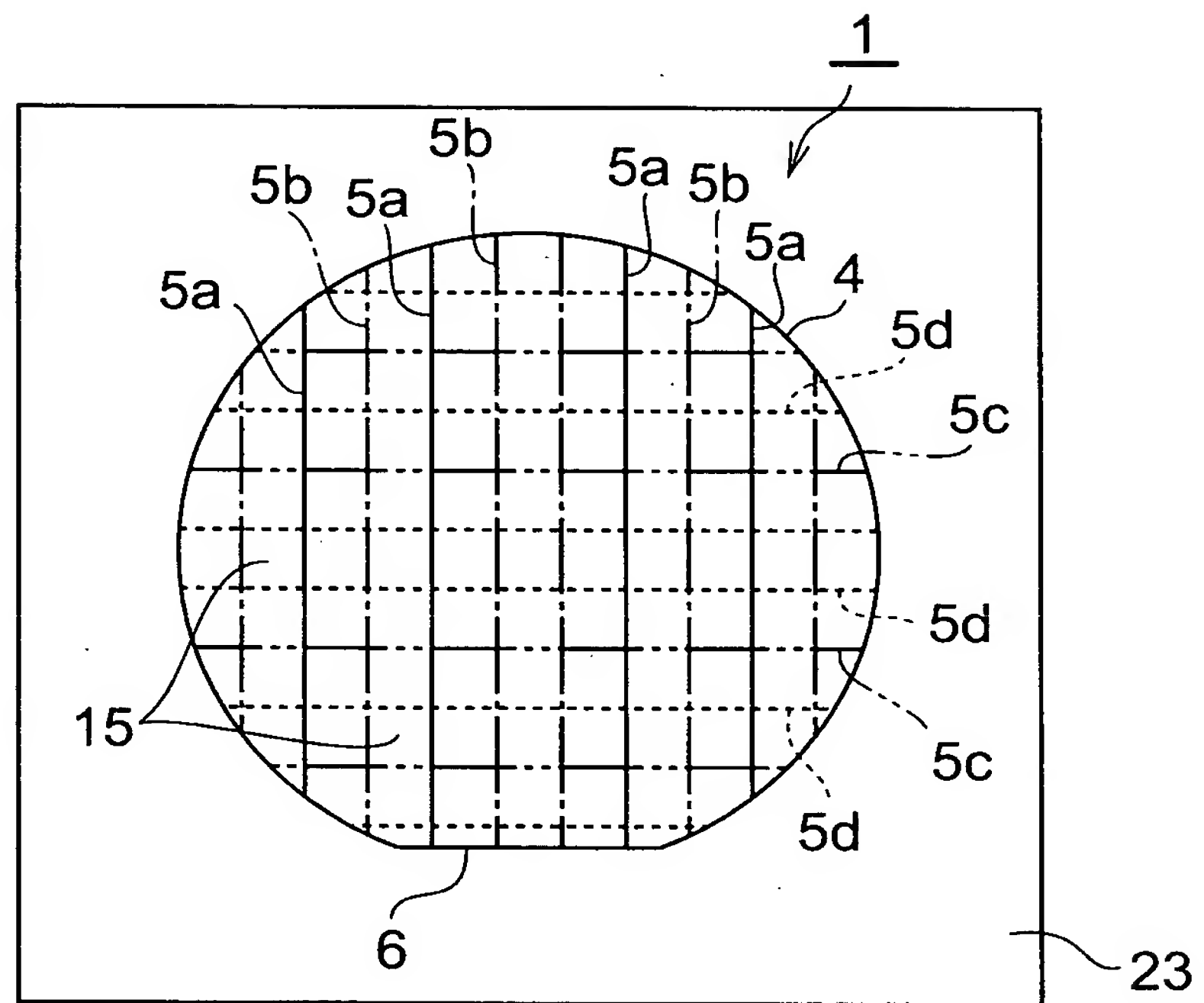
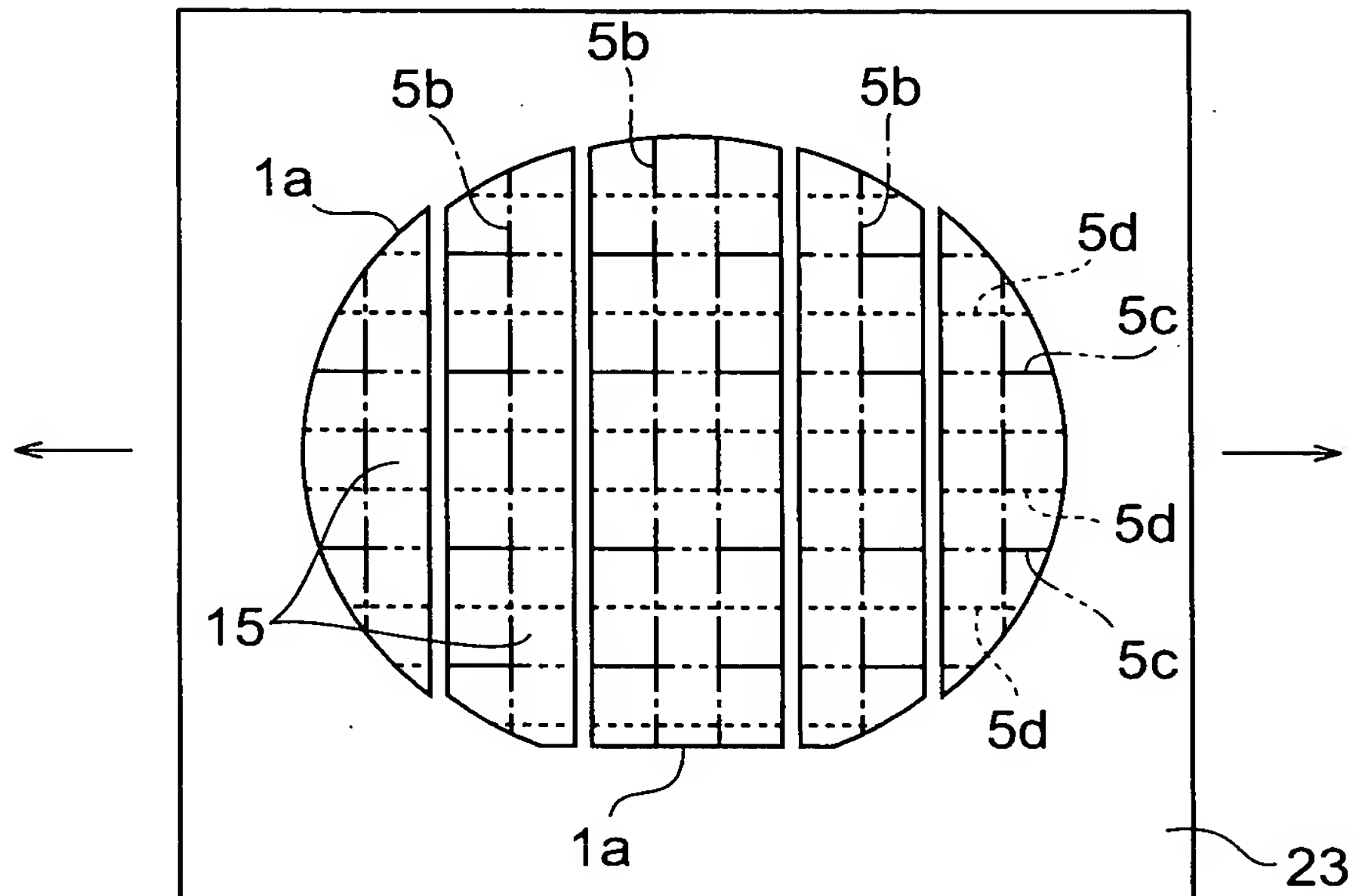


Fig.34

(a)



(b)

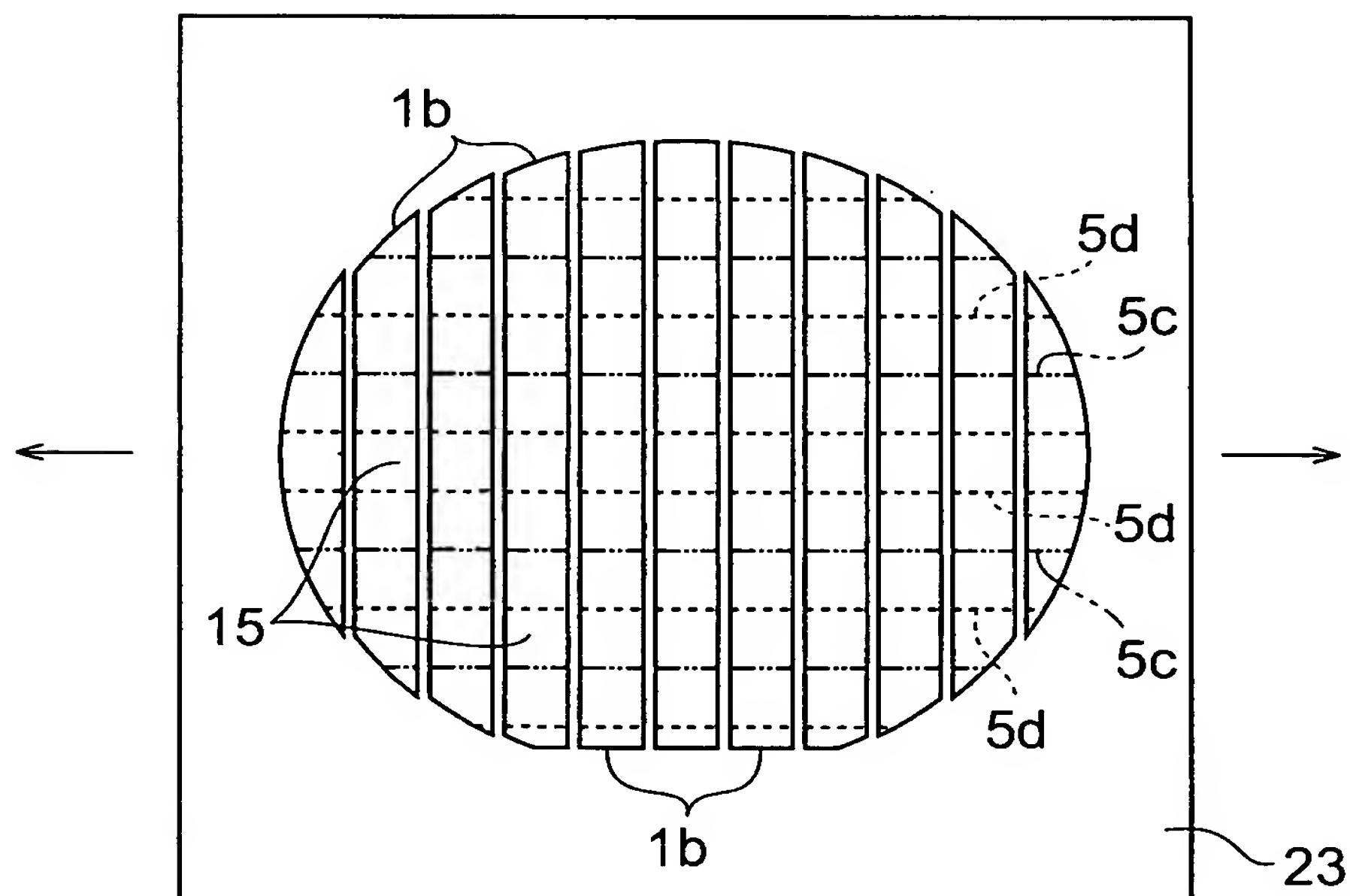
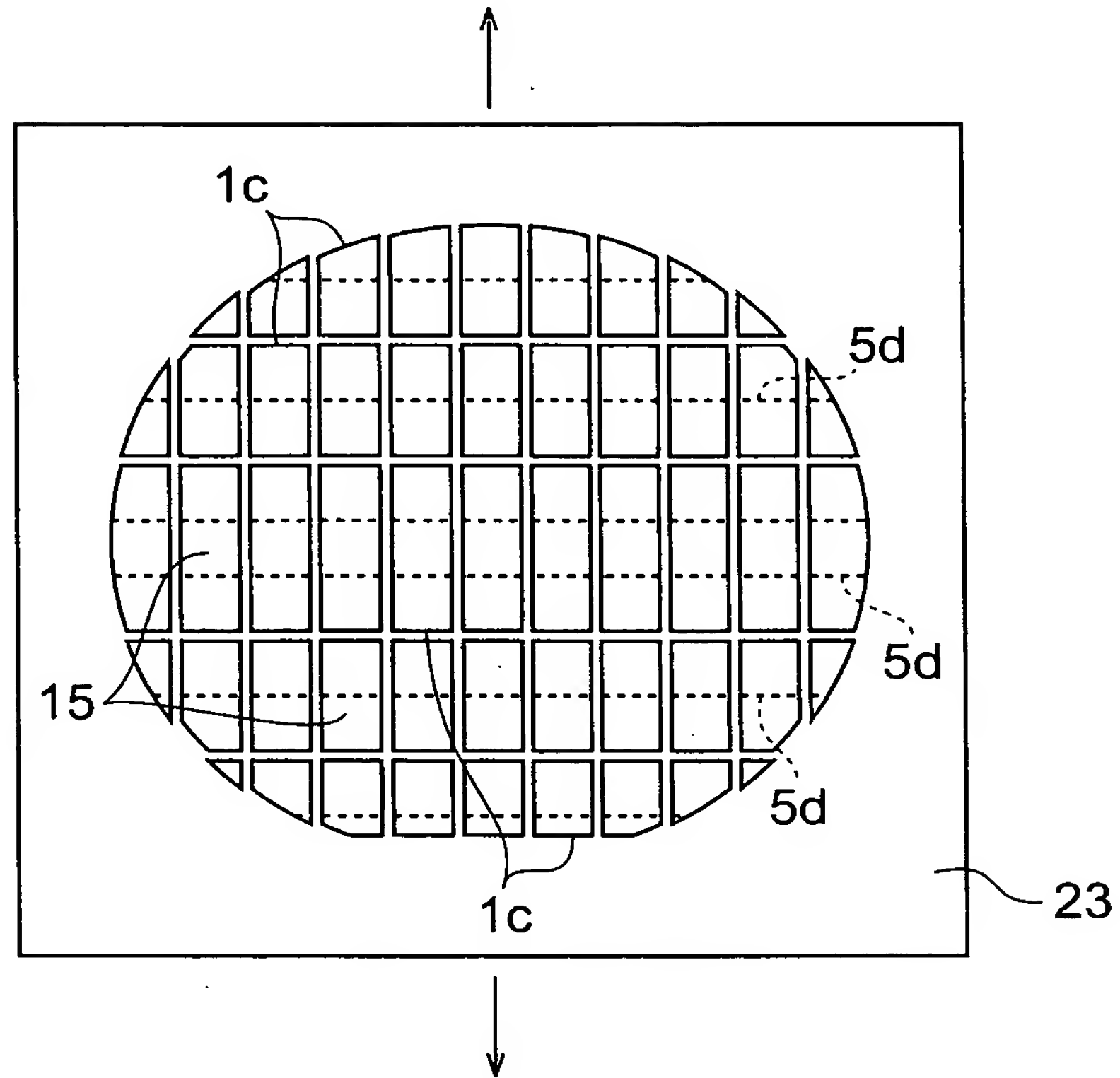


Fig.35

(a)



(b)

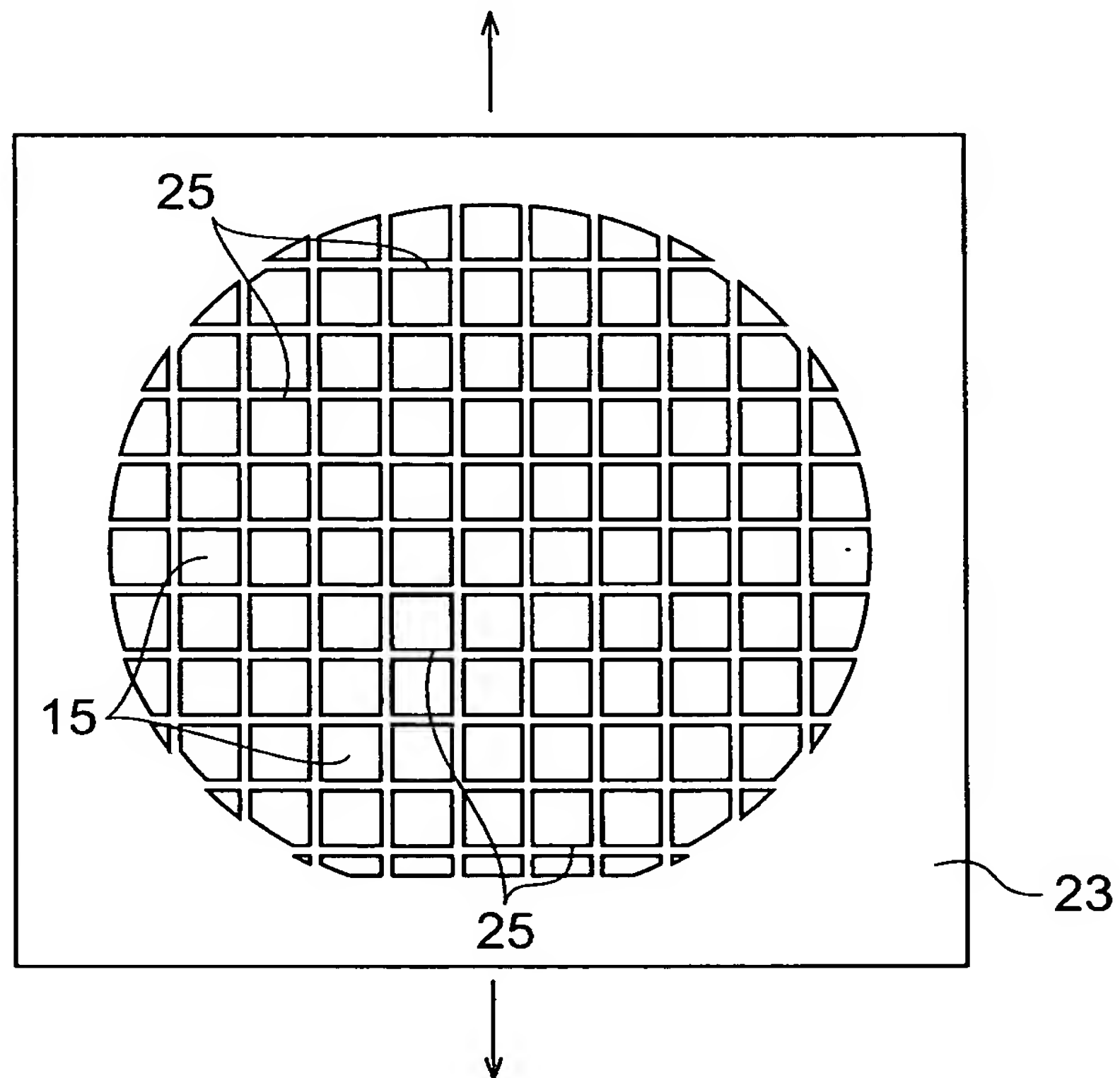


Fig.36

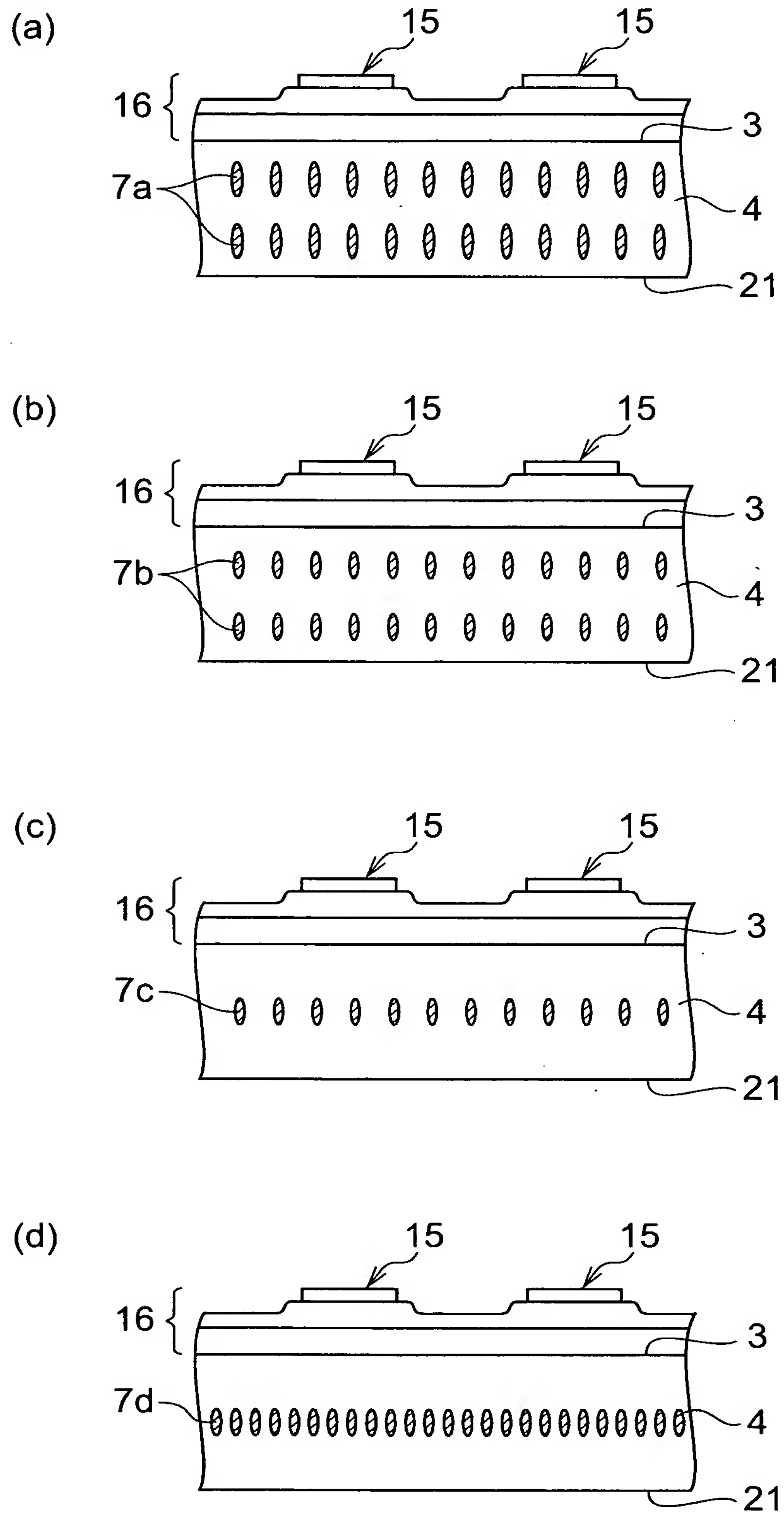


Fig.37

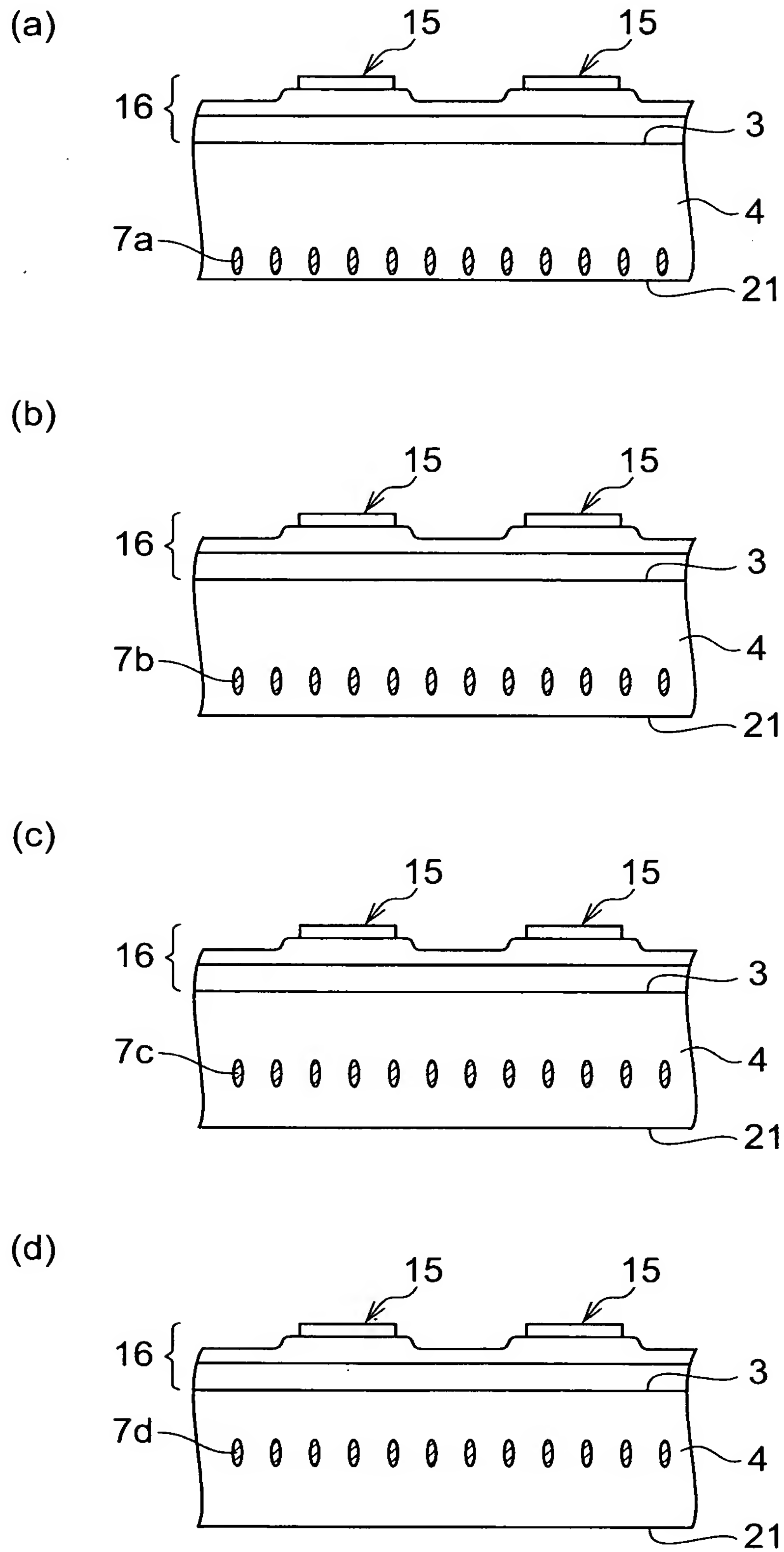


Fig.38

FORMING CONDITION(1)				FORMING CONDITION(2)		
SPECIES OF MODIFIED REGION	LIGHT-CONVERGING POSITION(μm)	ENERGY(μJ)		SPECIES OF MODIFIED REGION	LIGHT-CONVERGING POSITION(μm)	ENERGY(μJ)
HC MODIFIED REGION	39	10		HC MODIFIED REGION	39	10
HC MODIFIED REGION	71	10		HC MODIFIED REGION	71	10
DIVIDED MODIFIED REGION	121	20		DIVIDED MODIFIED REGION	121	20
DIVIDED MODIFIED REGION	157	20		DIVIDED MODIFIED REGION	157	20
DIVIDED MODIFIED REGION	185	20		DIVIDED MODIFIED REGION	185	20
TIME DIFFERENCE MODIFIED REGION	—	—		TIME DIFFERENCE MODIFIED REGION	192	20
QUALITY MODIFIED REGION	263	15		QUALITY MODIFIED REGION	263	15
REMAINING WIDTH: 62 μm			CUT TIME: 3.70s	REMAINING WIDTH: 54 μm		
				CUT TIME: 2.38s		
FORMING CONDITION(3)				FORMING CONDITION(4)		
SPECIES OF MODIFIED REGION	LIGHT-CONVERGING POSITION(μm)	ENERGY(μJ)		SPECIES OF MODIFIED REGION	LIGHT-CONVERGING POSITION(μm)	ENERGY(μJ)
HC MODIFIED REGION	39	10		HC MODIFIED REGION	39	10
HC MODIFIED REGION	71	10		HC MODIFIED REGION	71	10
DIVIDED MODIFIED REGION	121	20		DIVIDED MODIFIED REGION	121	20
DIVIDED MODIFIED REGION	157	20		DIVIDED MODIFIED REGION	157	20
DIVIDED MODIFIED REGION	185	20		DIVIDED MODIFIED REGION	185	20
TIME DIFFERENCE MODIFIED REGION	199	20		TIME DIFFERENCE MODIFIED REGION	206	20
QUALITY MODIFIED REGION	263	15		QUALITY MODIFIED REGION	263	15
REMAINING WIDTH: 43 μm			CUT TIME: 2.03s	REMAINING WIDTH: 35 μm		
				CUT TIME: 1.90s		

Fig.39

FORMING CONDITION(5)			FORMING CONDITION(6)		
SPECIES OF MODIFIED REGION	LIGHT-CONVERGING POSITION(μm)	ENERGY(μJ)	SPECIES OF MODIFIED REGION	LIGHT-CONVERGING POSITION(μm)	ENERGY(μJ)
HC MODIFIED REGION	39	10	HC MODIFIED REGION	39	10
HC MODIFIED REGION	71	10	HC MODIFIED REGION	71	10
DIVIDED MODIFIED REGION	121	20	DIVIDED MODIFIED REGION	121	20
DIVIDED MODIFIED REGION	157	20	DIVIDED MODIFIED REGION	157	20
DIVIDED MODIFIED REGION	185	20	DIVIDED MODIFIED REGION	192	20
TIME DIFFERENCE MODIFIED REGION	214	20	TIME DIFFERENCE MODIFIED REGION	228	20
QUALITY MODIFIED REGION	263	15	QUALITY MODIFIED REGION	263	15
REMAINING WIDTH:23 μm		CUT TIME:1.99s	REMAINING WIDTH:5~10 μm CUT TIME:1.62s		

FORMING CONDITION(7)		
SPECIES OF MODIFIED REGION	LIGHT-CONVERGING POSITION(μm)	ENERGY(μJ)
HC MODIFIED REGION	39	10
HC MODIFIED REGION	71	10
DIVIDED MODIFIED REGION	121	20
DIVIDED MODIFIED REGION	157	20
DIVIDED MODIFIED REGION	185	20
DIVIDED MODIFIED REGION	214	20
DIVIDED MODIFIED REGION	235	20
QUALITY MODIFIED REGION	263	15
REMAINING WIDTH:0 μm		CUT TIME:0s

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